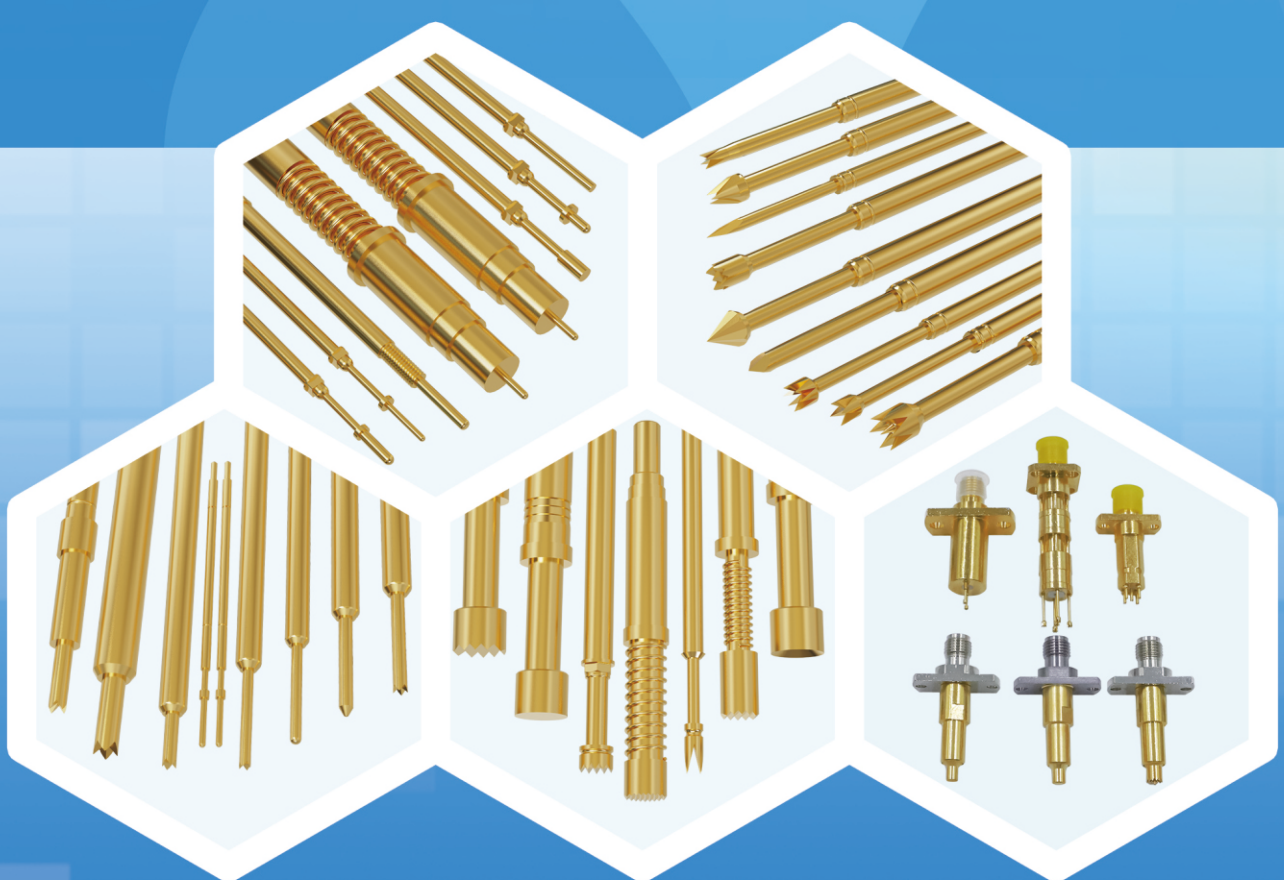
欧瑞特

深圳市欧瑞特实业有限公司

SHENZHEN OURUITE INDUSTRIAL CO.,LTD

精密测试针

让测试更高效!



测 试 针 全 球 销 售 服 务 商

公司简介

深圳市欧瑞特实业有限公司成立于2003年，是一家集探针设计、制造、销售的专业公司，主要生产BGA探针,大电流针,PCB/ICT/FCT探针,线束开关针等以及各种五金件加工,产品主要应用电子产业、半导体产业、汽车产业等高科 技产品的测试。

公司现有员工120多人,技术骨干50多人，公司在拥有专业的研发团队的同时，不断更新引进各种国内外先进设备，如:日本高精度CNC车床60多台，日本及瑞士自动车床50多台以及各种检测设备。

公司的经营理念是本着以技术立足市场、以服务赢得信赖。设计理念是:简 便、实用、高效。我们的品质方针是:本着无缺点的精神，一次将工作做好。在 设计上力求完美，在品质上严格把关，使产品质量稳定可靠，性能趋于市场领先水平，从而使我们的产品能够在市场竞争中立于不败之地。

我们重视与客户的沟通和交流，根据客户的要求提供完美的解决方案，掌握核心技术，不断开发创新是公司的主题，欧瑞特公司一如既往的投入产品的创新，开发，领跑同类产品的市场。

company profile

Shenzhen Ouruite industrial Co., LTD., founded in 2003, is a set of probe design, manufacturing, sales of professional company, mainly produce BGA probe, high current needle, PCB / ICT / FCT probe, wire harness switch needle and all kinds of hardware processing, products are mainly used in electronics industry, semiconductor industry, automotive industry and other high-tech products test.

The company has more than 120 employees, more than 50 technical backbone, the company has a professional research and development team at the same time, constantly update and introduce a variety of domestic and foreign advanced equipment, such as: Japan more than 60 high-precision CNC lathes, Japan and Switzerland more than 50 automatic lathes and various testing equipment.

The company's business philosophy is in line with the market with technology, with service to win trust.The design concept is: simple, practical and efficient.Our quality policy is: in the spirit of no shortcomings, once will do a good job.In the design of the perfect, strict control in the quality of the products, so that the product quality is stable and reliable, the performance tends to be the market leading level, so that our products can be invincible in the market competition.

We attach great importance to the communication and communication with customers, according to the requirements of customers to provide perfect solutions, master the core technology, continuous development and innovation is the theme of the company, The company has as always invested in product innovation, development, leading the market of similar products.

目 录

针头使用说明 …… 01

ICT/FCT 系列 …… 02

PCB 系列 …… 09

大电流系列 …… 26

线束开关 …… 32

射频头系列 …… 47

定位针（弹力柱）…… 57

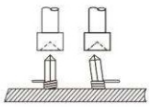
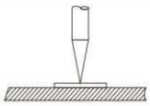
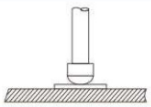
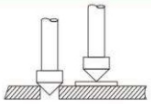
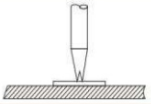
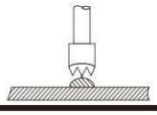
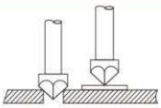
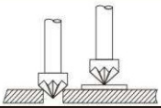
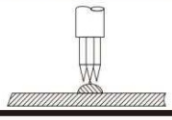
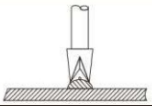
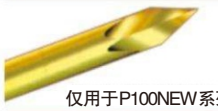
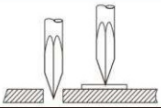
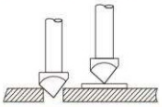
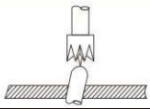
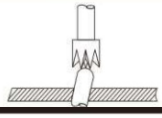
界面针系列 …… 58

最佳针头形状的选择 …… 59

工装治具配件 …… 60

测试配件 …… 61

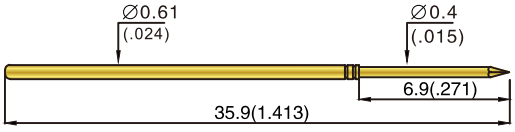
针头使用说明

头型				使用方法
	A		Cup(杯型)	测试--长导脚，端子及绕线柱
	B		Spear(尖型)	测试--导脚及焊点 测试--污染之PC板或穿刺污染层
	D		Round(圆型)	测试--金手指及焊垫 确保接触不留牙印
	E		Spear(尖型)	测试--贯穿孔，焊垫及金手指
	F		Crown(皇冠型)	测试--焊垫及金手指 适细线测试，不沾灰尘及污染物
	H		Serrated(锯齿型)	测试--长导脚，端子， 绕线柱，焊点及焊垫
	K		Chisel(凿型)	测试--贯穿孔，焊垫及金手指
	LM		Star(星型)	测试--贯穿孔，焊垫及金手指 不沾灰尘及污染物
	M3		Three Spearr(三尖型)	测试--导脚及焊点 测试--污染之PC板或穿刺污染层 钢质针尖，寿命佳
	Q		Crown(皇冠型)	测试--焊垫及焊点 不沾灰尘及污染物
 仅用于P100NEW系列	S		Spear(尖型)	测试--贯穿孔，焊垫及金手指 钢质针尖，寿命佳
	T		Chisel(凿型)	测试--贯穿孔，焊垫及金手指
仅用于P100NEW系列	V		Tulip(郁金香型)	测试--焊点，长导脚，端子及绕线柱 周围六齿中间一齿突出0.2mm，不沾 灰尘及污染物
仅用于P100NEW系列	W		Tulip(郁金香型)	测试--导脚，端子及焊点 周围六齿中间一齿，不沾灰尘及污染物

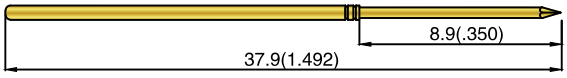
*注：定制品必须接受±10%

安装功能和尺寸
(Mounting and Functional Dimensions):

ORT–040



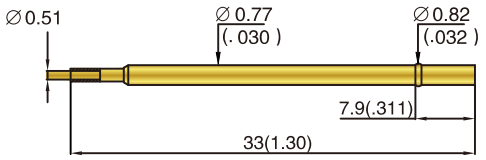
ORT–040...LP



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	305	040
	201	040
	291	040
	238	040
	304	040
	297	040
	277	040
	307	040
	303	040
	222	032

套管（Receptacle):

ORT KS 040 E08



ORT KS 040 E08 V–30

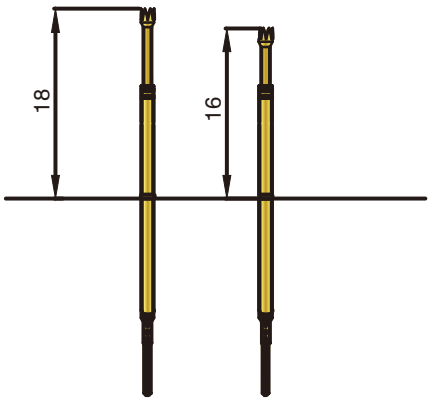
Materials(Plated)(材质与镀层):		
Barrel(针管):	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	2amps
Contact Resistance(接触电阻):	70milliohms max
Full Stroke(满冲程):	6.9mm
Rated Stroke(额定冲程):	4.3mm
Spring Force(满行程弹力):	0.8N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅0.8mm(.031)
FR4(环氧树脂):	∅0.8mm(.031)

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

使用介绍（Introduction to use):



订货举例（Ordering Example）：

ORT040 2 91 040 0.8N A

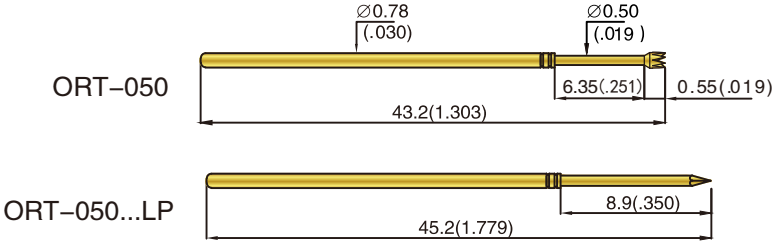
系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	弹力 Spring Force	镀层厚度 Gold Plating

ORT050

ICT/FCT 测试探针(ICT/FCT PROBES)

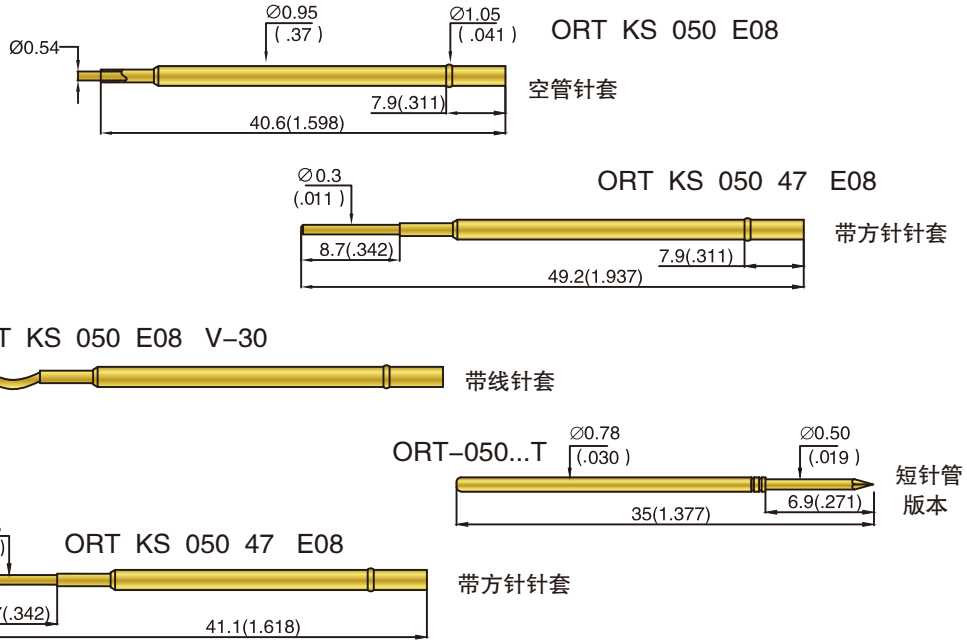
安装高度(Installation Height):36mm(1.417)
网格大小(Grid)：≥1.27(50Mil)

安装功能和尺寸
(Mounting and Functional Dimensions):



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	305	064
	201	050
	291	064
	238	050
	214	050
	297	050
	277	064
	231	064
	307	050
	202	060
	303	050
	306	090
	222	040

套管 (Receptacle):



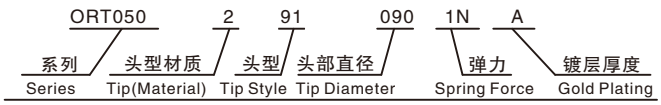
Materials(Plated)(材质与镀层):		
Barrel(针管) :	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	3amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	6.4mm
Rated Stroke(额定冲程):	4.3mm
Spring Force(满行程弹力):	1.0N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅1.0mm(.039)
FR4(环氧树脂):	∅1.0mm(.039)

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

订货举例 (Ordering Example) :



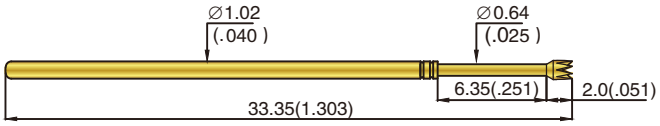
ORT075

ICT/FCT 测试探针(ICT/FCT PROBES)

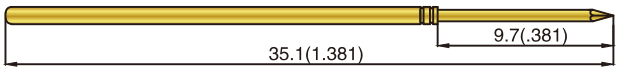
安装高度(Installation Height):18mm(.70)
网格大小(Grid)：≥1.91(75Mil)

安装功能和尺寸
(Mounting and Functional Dimensions):

ORT–075

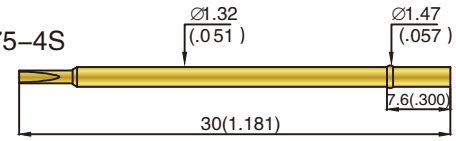


ORT–075...L

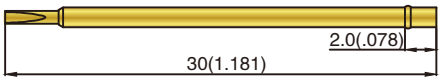


套管 (Receptacle):

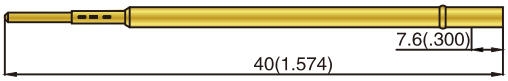
ORT–RL75–4S



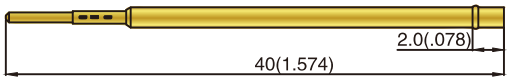
ORT–RL75–2S



ORT–RL75–4W



ORT–RL75–2W



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	308	120/130
	307	120/130
	204	120/130
	214	120/130
	217	120/130
	224	120/130
	289	120/130
	306	120/130
	302	120/130
	303	120/130
	288	120/130
	225	120/130
	307	064
	214	064
	214	050
	306	064

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	214	120/130
	233	120/130
	204	120/130
	313	090
	319	120/130
	297	064
	277	064
	006	225
	006	323
	209	064
	231	064
	298	064
	305	064
	201	064
	291	064

Materials(Plated)(材质与镀层):

Barrel(针管) :	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	3amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	6.4mm
Rated Stroke(额定冲程):	4.3mm
Spring Force(满行程弹力):	1.0/2.0/3.0N(可选)

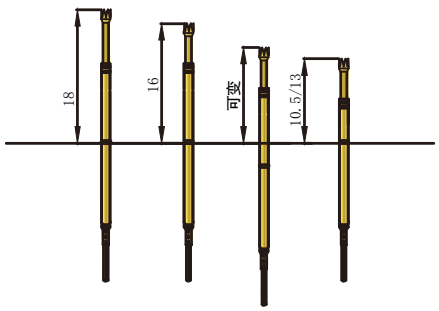
Mounting Hole Size(钻孔尺寸):

CEM1(有机玻璃):	∅1.35mm(.053)
FR4(环氧树脂):	∅1.38mm(.054)

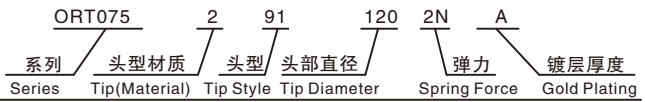
Operating Temperature(工作温度):

Standard(标准):	–40℃— +80℃
Special Design"C"(特殊设计):	–100℃— +200℃

使用介绍 (Introduction to use):



订货举例 (Ordering Example) :



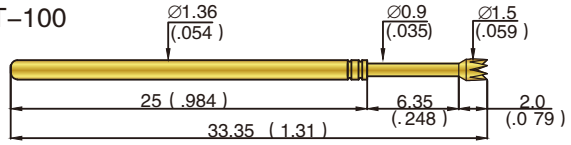
ORT100

ICT/FCT 测试探针(ICT/FCT PROBES)

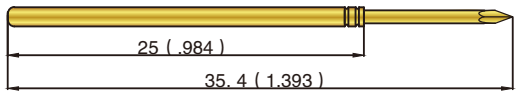
安装高度(Installation Height):16mm(.63)
网格大小(Grid)：≥2.54(100Mil)

安装功能和尺寸
(Mounting and Functional Dimensions):

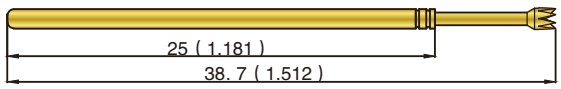
ORT–100



ORT–100...LP

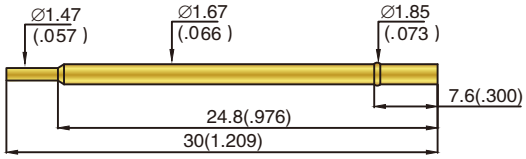


ORT–135

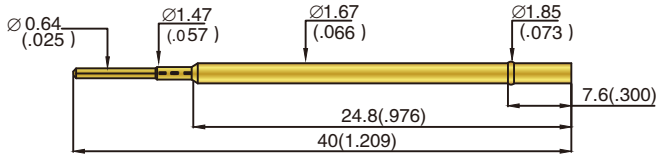


套管 (Receptacle):

ORT–R100–4S



ORT–R100–4W



Materials(Plated)(材质与镀层):		
Barrel(针管) :	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	3–5amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	6.35mm
Rated Stroke(额定冲程):	4.3mm
Spring Force(满行程弹力):	1.0/2.0/3.0N(可选)

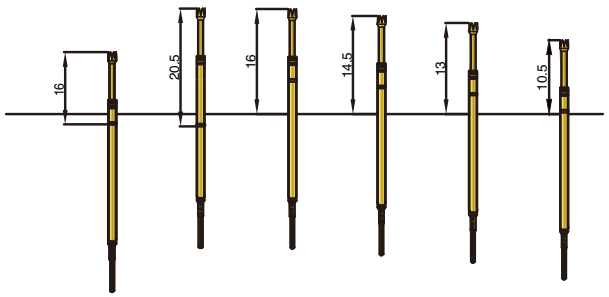
Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅1.7mm(.067)
FR4(环氧树脂):	∅1.75mm(.069)

Operating Temperature(工作温度):	
Standard(标准):	–40℃— +80℃
Special Design"C"(特殊设计):	–100℃— +200℃

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	308	130/150
	307	130/150
	204	130/150
	214	130/150
	217	150/170
	224	150/170
	289	150/170
	306	150/170
	302	150/170
	303	150/170
	288	150
	225	130/150
	307	090
	214	090
	214	050
	306	090

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	214	106
	233	106
	204	106
	313	090
	291	130
	319	180
	297	090
	277	090
	006	225
	006	323
	209	060
	231	090
	298	090
	305	090
	201	090
	291	090

使用介绍 (Introduction to use):



订货举例 (Ordering Example) :

ORT100 — 2 — 91 — 150 — 2N — A

系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	弹力 Spring Force	镀层厚度 Gold Plating

让测试更高效

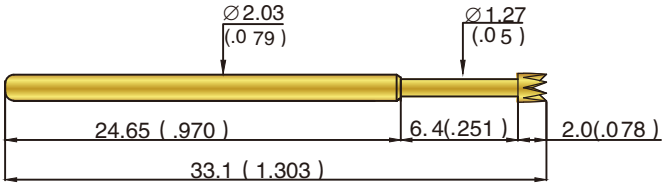
ORT003

ICT/FCT 测试探针(ICT/FCT PROBES)

安装高度(Installation Height):16mm(.63)
网格大小(Grid)：≥3.18(125Mil)

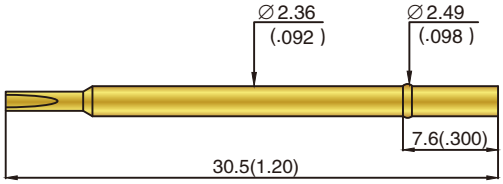
安装功能和尺寸
(Mounting and Functional Dimensions):

ORT–003



套管 (Receptacle):

ORT–R125–4S



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	308	2.54
	307	2.54
	204	2.54
	214	2.54
	217	2.54
	224	2.54
	289	2.54
	306	2.54
	302	2.54
	303	2.54
	288	2.54

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	214	2.54
	233	2.54
	204	2.54
	313	1.27
	291	2.54
	319	2.54
	297	1.27
	277	1.27
	225	2.54
	307	1.27
	214	1.27
	214	1.27
	306	1.27
	305	1.27
	201	1.27
	291	1.27

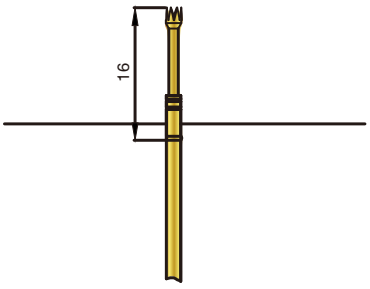
Materials(Plated)(材质与镀层):		
Barrel(针管) :	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	6.4mm
Rated Stroke(额定冲程):	4.3mm
Spring Force(满行程弹力):	1.0/2.0/3.0N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅2.4mm(.94)
FR4(环氧树脂):	∅2.42mm(.095)

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

使用介绍 (Introduction to use):



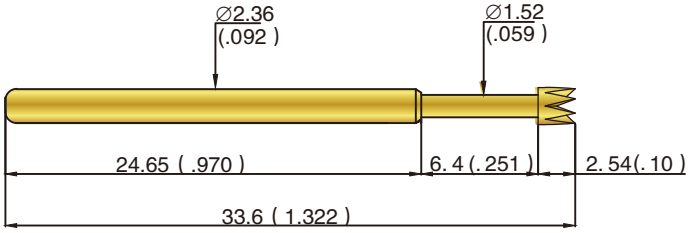
订货举例 (Ordering Example) :

ORT003 / 3 / 06 / 254 / 2N / A

系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	弹力 Spring Force	镀层厚度 Gold Plating

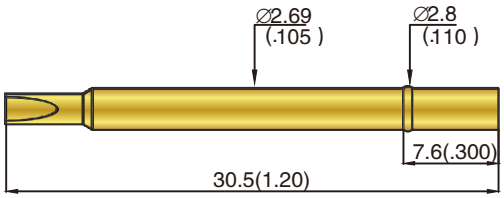
安装功能和尺寸
(Mounting and Functional Dimensions):

ORT–004



套管 (Receptacle):

ORT–R156–4S



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	308	396
	307	396
	204	396
	214	396
	217	396
	224	396
	289	396
	306	396
	302	396
	303	396
	288	396

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	214	396
	233	396
	204	396
	313	1.52
	291	396
	319	396
	297	1.52
	277	1.52
	225	396
	307	1.52
	214	1.52
	214	1.52
	306	1.52
	305	1.52
	201	1.52
	291	1.52

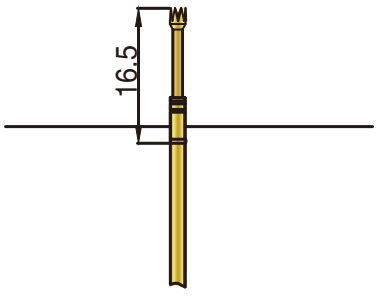
Materials(Plated)(材质与镀层):		
Barrel(针管) :	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	6.4mm
Rated Stroke(额定冲程):	4.3mm
Spring Force(满行程弹力):	1.0/2.0/3.0N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅2.70mm(.106)
FR4(环氧树脂):	∅2.72mm(.107)

Operating Temperature(工作温度):	
Standard(标准):	–40℃— +80℃
Special Design"C"(特殊设计):	–100℃— +200℃

使用介绍 (Introduction to use):



订货举例 (Ordering Example) :

ORT004	3	06	396	2N	A
系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	弹力 Spring Force	镀层厚度 Gold Plating

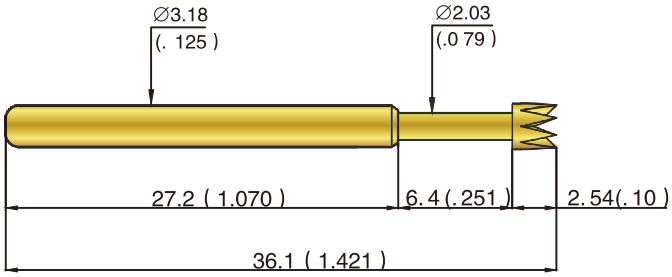
ORT005

ICT/FCT 测试探针(ICT/FCT PROBES)

安装高度(Installation Height):16. 5mm(.65)
网格大小(Grid)：≥4.80(189Mil)

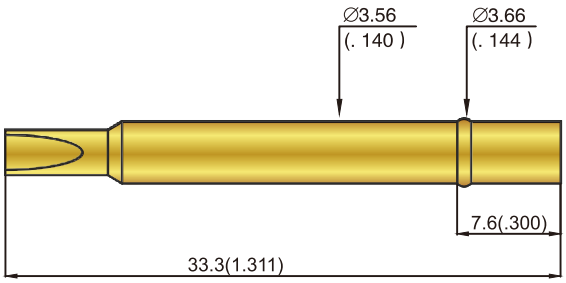
安装功能和尺寸
(Mounting and Functional Dimensions):

ORT–005



套管 (Receptacle):

ORT–R189–4S



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	308	396
	307	396
	204	396
	214	396
	217	396
	224	396
	289	396
	306	396
	302	396
	303	396
	288	396

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	214	396
	233	396
	204	396
	313	2.03
	291	396
	319	396
	297	2.03
	277	2.03
	225	396
	307	2.03
	214	2.03
	214	2.03
	306	2.03
	305	2.03
	201	2.03
	291	2.03

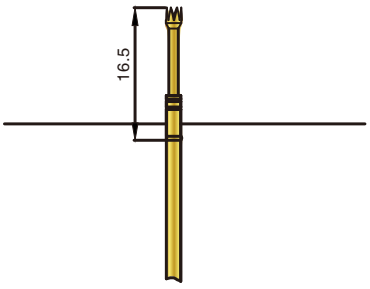
Materials(Plated)(材质与镀层):		
Barrel(针管) :	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	6.4mm
Rated Stroke(额定冲程):	4.3mm
Spring Force(满行程弹力):	2.0/3.0/4.0N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅3.60mm(.141)
FR4(环氧树脂):	∅3.62mm(.142)

Operating Temperature(工作温度):	
Standard(标准):	–40℃— +80℃
Special Design"C"(特殊设计):	–100℃— +200℃

使用介绍 (Introduction to use):

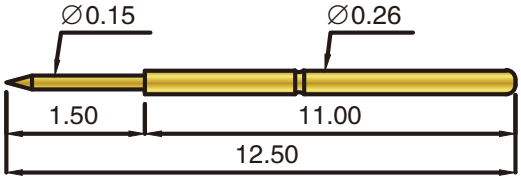


订货举例 (Ordering Example) :

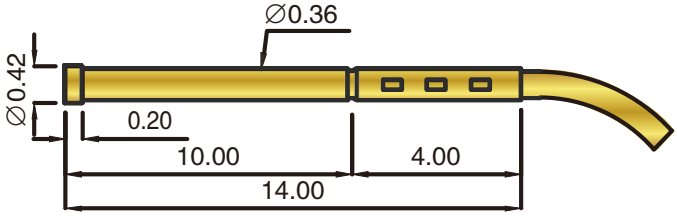
ORT005	3	06	396	2N	A
系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	弹力 Spring Force	镀层厚度 Gold Plating

P025系列[70]

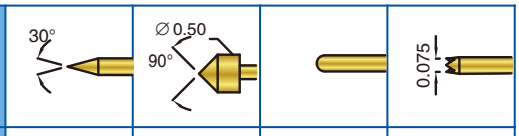
最小测试间距0.55mm



套管（Receptacle):



R025-1W 7:700mm　　L=700mm(900mm)
R025-1C　　34#:0.40/0.16

针头头型 Tip Style				
头型编号 Tip Style	P025-B	P025-E	P025-J	P025-F

Materials(Plated)(材质与镀层):

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	0.50amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	1.50mm
Rated Stroke(额定冲程):	1.00mm
Spring Force(满行程弹力):	20g

Mounting Hole Size(钻孔尺寸):

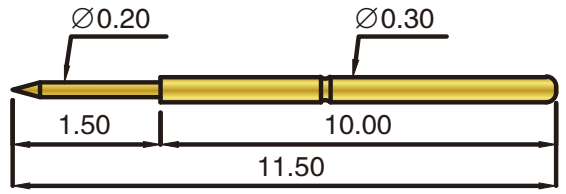
CEM1(有机玻璃):	∅0.40mm
FR4(环氧树脂):	∅0.40mm

Operating Temperature(工作温度):

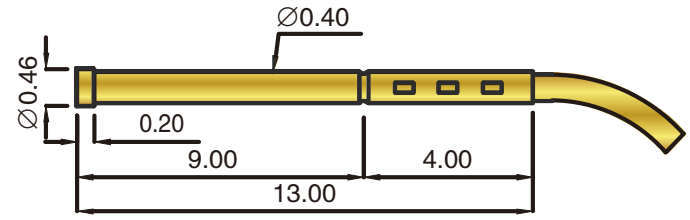
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

P030系列[60]

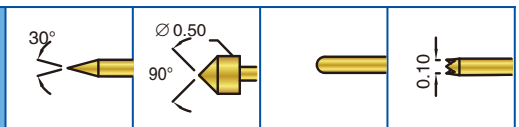
最小测试间距0.65mm



套管（Receptacle):



R030-1W 7:700mm　　L=700mm(900mm)
R030-1C (不带线)　　32#:0.35/0.20

针头头型 Tip Style				
头型编号 Tip Style	P030-B	P030-E	P030-J	P030-F

Materials(Plated)(材质与镀层):

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	0.50amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	1.50mm
Rated Stroke(额定冲程):	1.00mm
Spring Force(满行程弹力):	20g

Mounting Hole Size(钻孔尺寸):

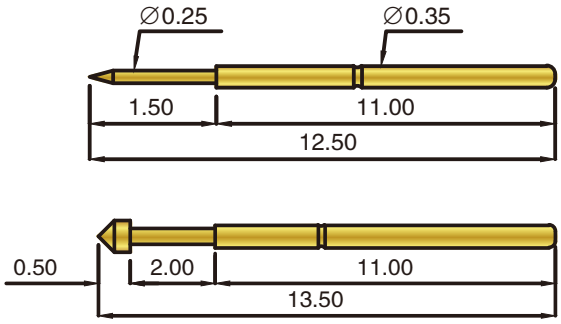
CEM1(有机玻璃):	∅0.45mm
FR4(环氧树脂):	∅0.45mm

Operating Temperature(工作温度):

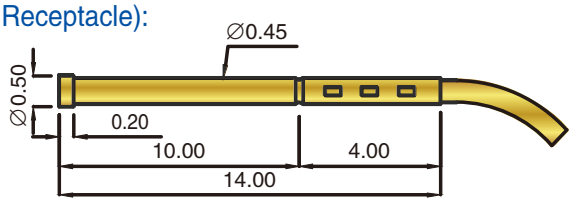
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

P035系列[50]

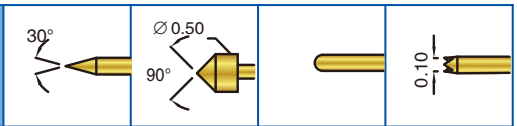
最小测试间距0.70mm



套管（Receptacle):



R035-1W 7:700mm R035-1W 9:900mm L=700mm(900mm)
R035-1C(不带线) 32#:0.35/0.20

针头头型 Tip Style				
头型编号 Tip Style	P035-B	P035-E	P035-J	P035-F

Materials(Plated)(材质与镀层):

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	0.50amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	1.50mm
Rated Stroke(额定冲程):	1.00mm
Spring Force(满行程弹力):	40g

Mounting Hole Size(钻孔尺寸):

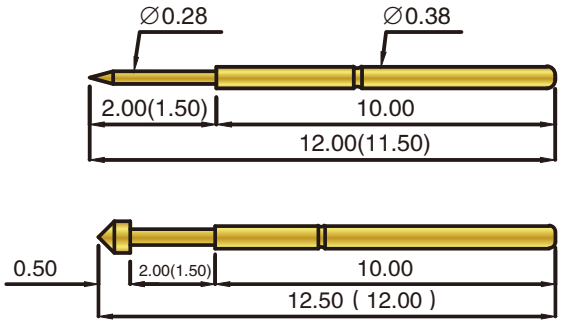
CEM1(有机玻璃):	∅0.50mm
FR4(环氧树脂):	∅0.50mm

Operating Temperature(工作温度):

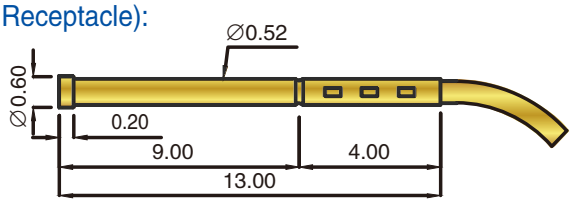
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

P038系列[40]

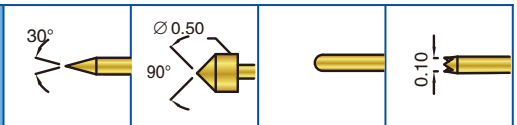
最小测试间距0.80mm



套管（Receptacle):



R038-1W 7:700mm R038-1W 9:900mm L=700mm(900mm)
R038-1C(不带线) 30#:0.48/0.24

针头头型 Tip Style				
头型编号 Tip Style	P038-B	P038-E	P038-J	P038-F

Materials(Plated)(材质与镀层):

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	0.50amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	2.00mm
Rated Stroke(额定冲程):	1.50mm
Spring Force(满行程弹力):	40g

Mounting Hole Size(钻孔尺寸):

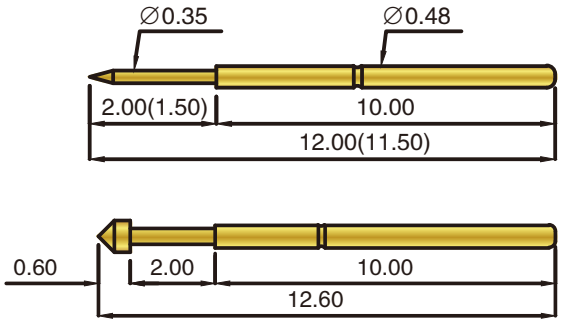
CEM1(有机玻璃):	∅0.60mm
FR4(环氧树脂):	∅0.60mm

Operating Temperature(工作温度):

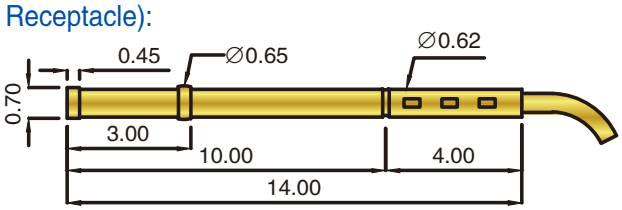
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

P048系列[30]

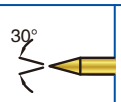
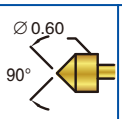
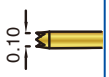
最小测试间距0.90mm



套管（Receptacle):



R048-1VW 7:700mm R048-1VC(双环) L=700mm(900mm)
R048-1W 7(单喇叭环) R048-1C(单喇叭环) 30#:0.48/0.24

针头头型 Tip Style				
头型编号 Tip Style	P048-B	P048-E	P048-J	P048-F

Materials(Plated)(材质与镀层):

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh-plated
Spring(弹簧):	不锈钢线镀金	SUS304,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	1amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	2.00mm
Rated Stroke(额定冲程):	1.50mm
Spring Force(满行程弹力):	(20g)40g(括号内为定制品)

Mounting Hole Size(钻孔尺寸):

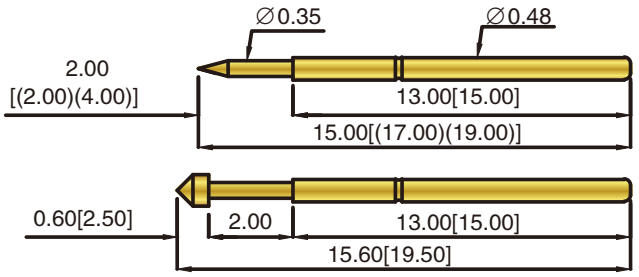
CEM1(有机玻璃):	∅0.70mm
FR4(环氧树脂):	∅0.70mm

Operating Temperature(工作温度):

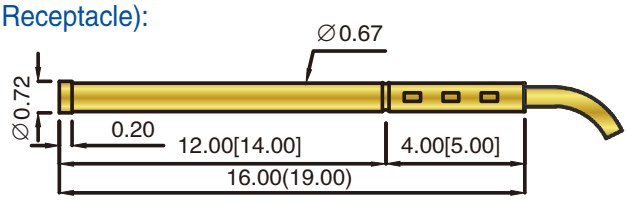
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

PM048[PL048]系列

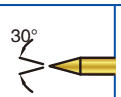
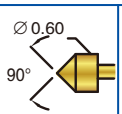
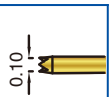
最小测试间距0.90mm



套管（Receptacle):



RM048-1VW 7:700mm [RL048-1W 7:700mm] L=700mm(900mm)
RM048-1VC [RL048-1C] 30#:0.48/0.24

针头头型 Tip Style				
头型编号 Tip Style	PM048-B	PM048-E	PM048-J	PM048-F

Materials(Plated)(材质与镀层):

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	1amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	2.00mm
Rated Stroke(额定冲程):	1.50mm
Spring Force(满行程弹力):	55g[70g(40g)](括号内为定制品)

Mounting Hole Size(钻孔尺寸):

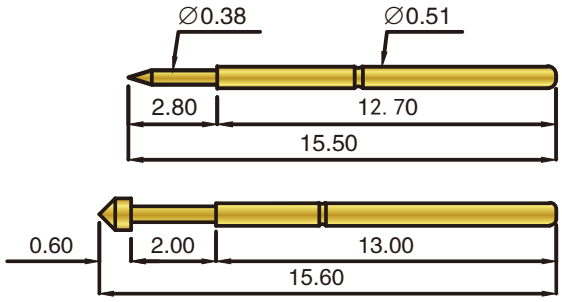
CEM1(有机玻璃):	∅0.70mm
FR4(环氧树脂):	∅0.70mm

Operating Temperature(工作温度):

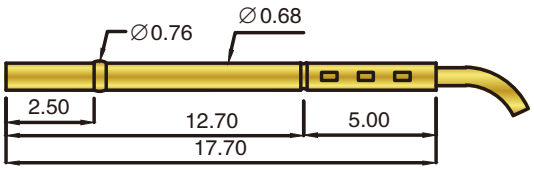
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

P051系列

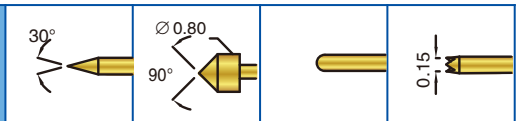
最小测试间距0.90mm



套管（Receptacle):



R051-2W7 R051-2C L=700mm(900mm)
R051-2WH7 30#:0.48/0.24

针头头型 Tip Style				
头型编号 Tip Style	P051-B	P051-E	P051-J	P051-F

Materials(Plated)(材质与镀层):

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh-plated
Spring(弹簧):	不锈钢线镀金	SUS304,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	0.50amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	1.50mm
Rated Stroke(额定冲程):	1.00mm
Spring Force(满行程弹力):	40g

Mounting Hole Size(钻孔尺寸):

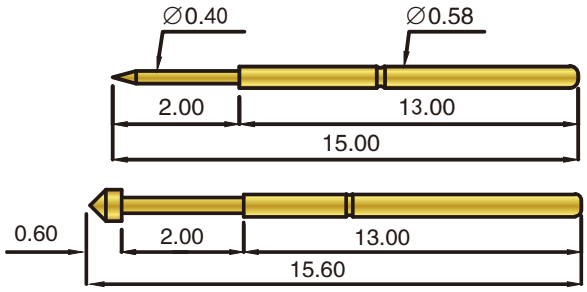
CEM1(有机玻璃):	∅0.70mm
FR4(环氧树脂):	∅0.70mm

Operating Temperature(工作温度):

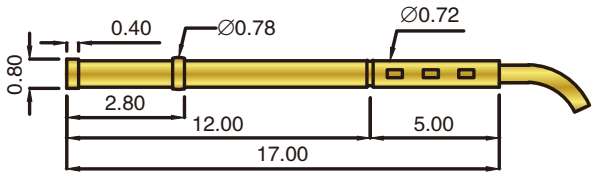
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

P058系列[20]

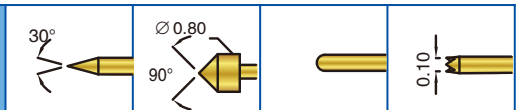
最小测试间距1.00mm



套管（Receptacle):



R058-1VW 7:700mm R058-1VC (不带线) L=700mm(900mm)
原名R058-W 7 原名R058-C 30#:0.48/0.24

针头头型 Tip Style				
头型编号 Tip Style	P058-B	P058-E	P058-J	P058-F

Materials(Plated)(材质与镀层):

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	1amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	1.50mm
Rated Stroke(额定冲程):	1.00mm
Spring Force(满行程弹力):	(20g)70g(括号内为定制品)

Mounting Hole Size(钻孔尺寸):

CEM1(有机玻璃):	∅1.00mm
FR4(环氧树脂):	∅1.00mm

Operating Temperature(工作温度):

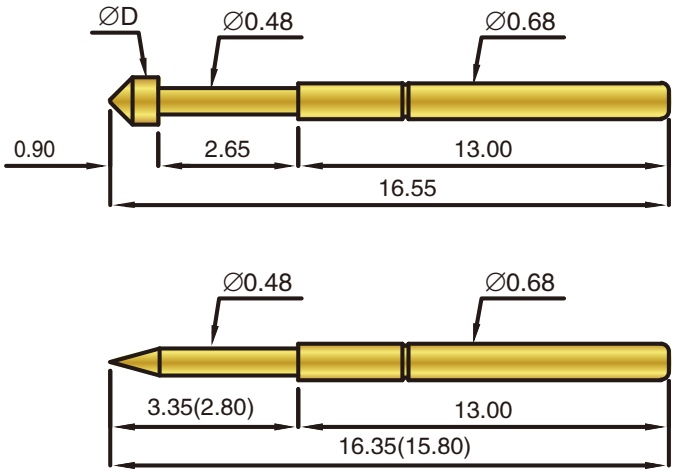
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

ORT-PCB

PCB 测试探针（PCB PROBES）

P50系列[0#]

最小测试间距1.27mm



针头头型 Tip Style	头型编号 Tip Style	头型直径(∅D) Tip Style
90°	1E	0.60
	E2	0.90
	E3	1.20
30°	1T	0.60
	T2	0.90
	T3	1.20
60°	1Q	0.60
	Q2	0.90
	Q3	1.20
	1LM	0.60
	LM2	0.90
	LM3	1.20
60°	1H	0.60
	H2	0.90
	H3	1.20
	1G	0.60
	G2	0.90
	G3	1.20
90°	1A	0.60
	A2	0.90
	A3	1.20
	1D	0.60
	D2	0.90
	D3	1.20

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Style
40°	S1	0.48
25°	T1	0.48
30°	B1	0.48
	J1	0.48
0.30	F1	0.48

订货举例：

P50 – E　　2 – 165 – 0.75N

系列　头型　头部直径　长度　弹力

说明：

A.针头直上头型直径为∅0.48mm

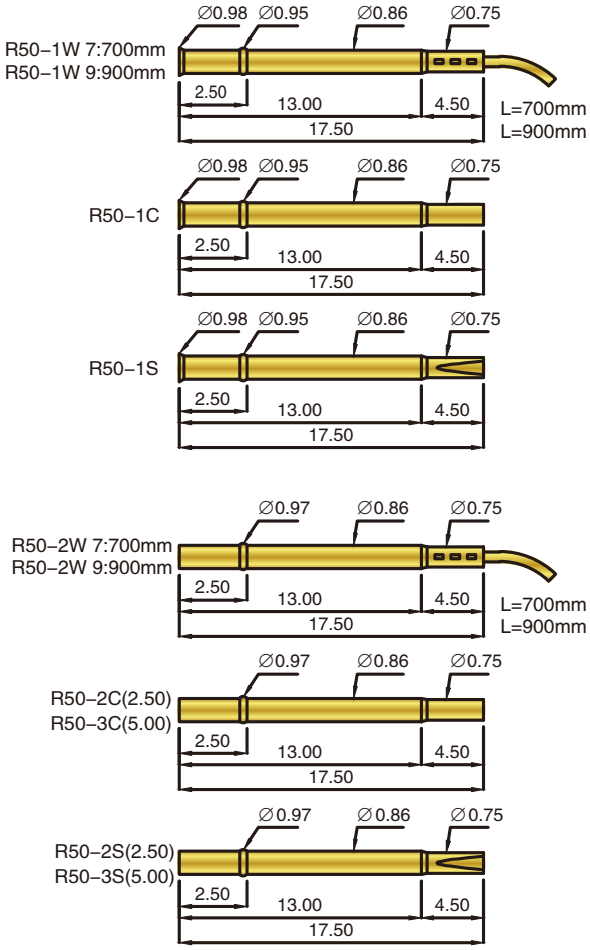
B.头型直径用数字1，2，3表示，如：

1E头弄为E，直径为∅0.60mm

E2头型为E，直径为∅0.90mm(标准头型)

E3头型为E，直径为∅1.20mm

套管（Receptacle):



Materials(Plated)(材质与镀层):		
Barrel(针管) :	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh–plated
Spring(弹簧):	不锈钢线镀金	SUS304,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	1amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	2.60mm
Rated Stroke(额定冲程):	1.75mm
Spring Force(满行程弹力):	(20g)(40g)75g(120g) (括号内为定制品)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅0.90mm
FR4(环氧树脂):	∅0.90mm

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

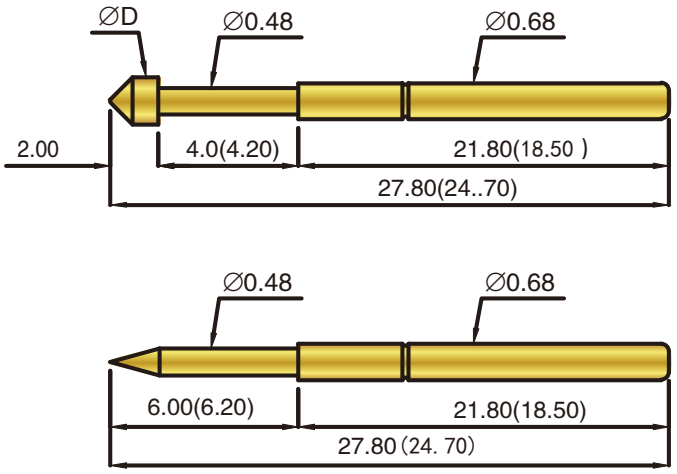
让测试更高效

ORT-PCB

PCB 测试探针（PCB PROBES）

PL50(P02)系列

最小测试间距1.27mm



针头头型 Tip Style	头型编号 Tip Style	头型直径(∅D) Tip Style
90°	1E	0.60
	E2	0.90
	E3	1.20
30°	1T	0.60
	T2	0.90
	T3	1.20
60°	1Q	0.60
	Q2	0.90
	Q3	1.20
	1LM	0.60
	LM2	0.90
	LM3	1.20
60°	1H	0.60
	H2	0.90
	H3	1.20
	1G	0.60
	G2	0.90
	G3	1.20
90°	1A	0.60
	A2	0.90
	A3	1.20
	1D	0.60
	D2	0.90
	D3	1.20

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Style
40°	S1	0.48
25°	T1	0.48
30°	B1	0.48
	J1	0.48
0.35	F1	0.48

订货举例：

P50 – E　　2 – 165 – 0.75N

系列　头型　头部直径　长度　弹力

说明：

A.针头直上头型直径为∅0.48mm

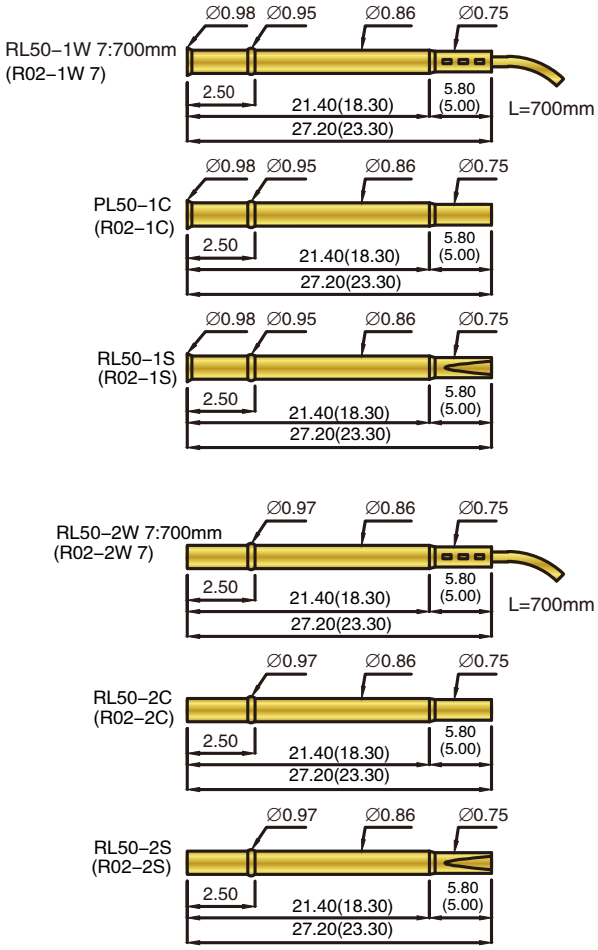
B.头型直径用数字1，2，3表示，如：

1E头弄为E，直径为∅0.60mm

E2头型为E，直径为∅0.90mm(标准头型)

E3头型为E，直径为∅1.20mm

套管（Receptacle):



Materials(Plated)(材质与镀层):		
Barrel(针管) :	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh–plated
Spring(弹簧):	不锈钢线镀金	SUS304,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

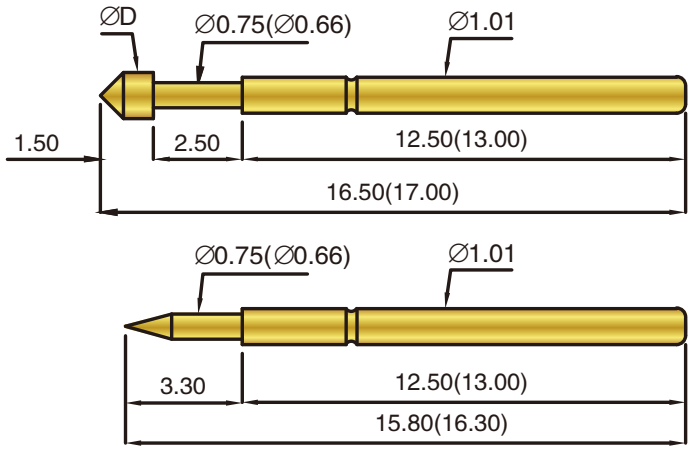
Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	1amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	4.00mm
Rated Stroke(额定冲程):	2.65mm
Spring Force(满行程弹力):	100g(P02:90/120g) (括号内为定制品)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅0.90mm
FR4(环氧树脂):	∅0.90mm

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

P75系列[1#]

最小测试间距1.91mm



针头头型 Tip Style	头型编号 Tip Style	头型直径(ØD) Tip Style
90°	1E	1.00
	E2	1.30
	E3	1.50
90°	1A	1.00
	A2	1.30
	A3	1.50
	1G	1.00
	G2	1.30
	G3	1.50
90°	1K	1.00
	K2	1.30
	K3	1.50
	1LM	1.00
	LM2	1.30
	LM3	1.50
	1D	1.00
	D2	1.30
	D3	1.50
60°	1H	1.00
	H2	1.30
	H3	1.50
60°	1Q	1.00
	Q2	1.30
	Q3	1.50
30°	1T	1.00
	T2	1.30
	T3	1.50

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Style
20°	B1	0.75
	J1	0.75
40°	S1	0.75
30°	T1	0.75
60°	Q1	0.75
0.30	F1	0.75
0.35	F2	0.75

订货举例：

P75 – E　　2 – 165 – 1N

系列　头型　头部直径　长度　弹力

说明：

A.针头直上头型直径为Ø0.75(Ø0.66)mm

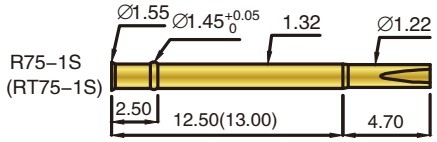
B.头型直径用数字1，2，3表示，如：

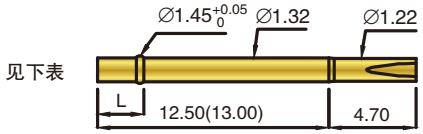
1E头弄为E，直径为Ø1.00mm

E2头型为E，直径为Ø1.30mm(标准头型)

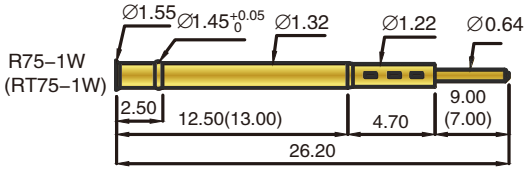
E3头型为E，直径为Ø1.50mm

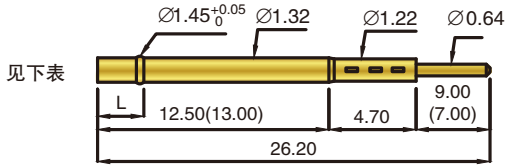
套管（Receptacle):





套管型号	L
R75–2S(RT75–2S)	2.50
R75–3S(RT75–3S)	4.00





套管型号	L
R75–2W(RT75–2W)	2.50
R75–3W(RT75–3W)	4.00

Materials(Plated)(材质与镀层):		
Barrel(针管):	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh–plated
Spring(弹簧):	不锈钢线镀金	SUS304,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

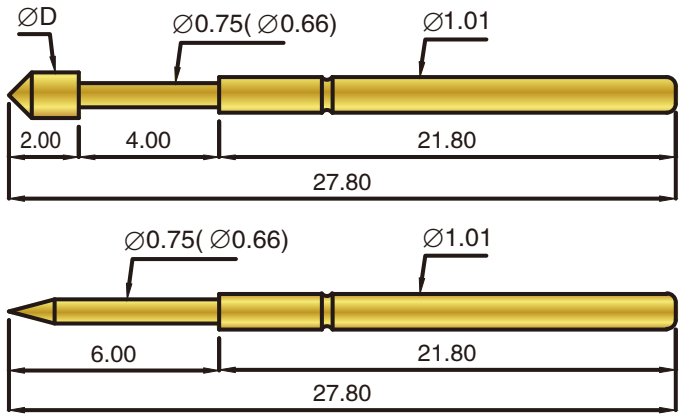
Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	2amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	2.50mm
Rated Stroke(额定冲程):	1.75mm
Spring Force(满行程弹力):	(60g)100g(180g)(220g) (括号内为定制品)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	Ø1.40mm
FR4(环氧树脂):	Ø1.40mm

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

PM75系列

最小测试间距1.91mm



针头头型 Tip Style	头型编号 Tip Style	头型直径(∅D) Tip Style
90°	1E	1.00
	E2	1.30
	E3	1.50
90°	1A	1.00
	A2	1.30
	A3	1.50
	1G	1.00
	G2	1.30
	G3	1.50
90°	1K	1.00
	K2	1.30
	K3	1.50
	1LM	1.00
	LM2	1.30
	LM3	1.50
	1D	1.00
	D2	1.30
	D3	1.50
60°	1H	1.00
	H2	1.30
	H3	1.50
60°	1Q	1.00
	Q2	1.30
	Q3	1.50
30°	1T	1.00
	T2	1.30
	T3	1.50

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Style
20°	B1	0.75
	J1	0.75
40°	S1	0.75
30°	T1	0.75
60°	Q1	0.75
0.30	F1	0.75
0.35	F2	0.75

订货举例：

PM75 – E 2 – 278 – 1.2N

系列 头型 头部直径 长度 弹力

说明：

A.针头直上头型直径为∅0.75(∅0.66)mm

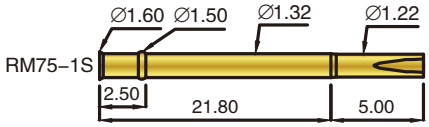
B.头型直径用数字1，2，3表示，如：

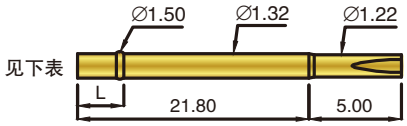
1E头弄为E，直径为∅1.00mm

E2头型为E，直径为∅1.30mm(标准头型)

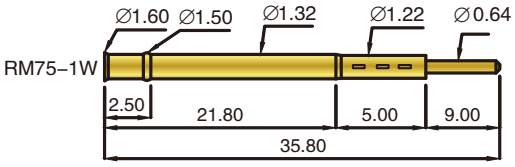
E3头型为E，直径为∅1.50mm

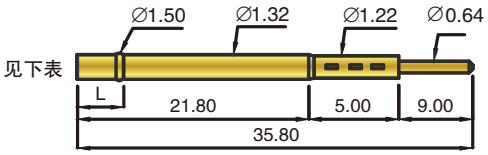
套管（Receptacle):





套管型号	L
RM75–2S	2.50
RM75–3S	4.00
RM75–4S	6.00





套管型号	L
RM75–2W	2.50
RM75–3W	4.00
RM75–4W	6.00

Materials(Plated)(材质与镀层):		
Barrel(针管):	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh–plated
Spring(弹簧):	不锈钢线镀金	SUS304,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	2amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	4.00mm
Rated Stroke(额定冲程):	2.65mm
Spring Force(满行程弹力):	120g

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅1.40mm
FR4(环氧树脂):	∅1.40mm

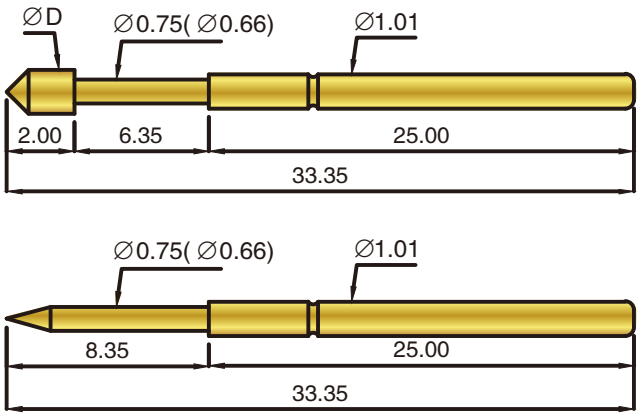
Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

ORT-PCB

PCB 测试探针（PCB PROBES）

PI75系列

最小测试间距1.91mm



针头头型 Tip Style	头型编号 Tip Style	头型直径(∅D) Tip Style
90°	1E	1.00
	E2	1.30
	E3	1.50
90°	1A	1.00
	A2	1.30
	A3	1.50
	1G	1.00
	G2	1.30
	G3	1.50
90°	1K	1.00
	K2	1.30
	K3	1.50
	1LM	1.00
	LM2	1.30
	LM3	1.50
	1D	1.00
	D2	1.30
	D3	1.50
60°	1H	1.00
	H2	1.30
	H3	1.50
60°	1Q	1.00
	Q2	1.30
	Q3	1.50
30°	1T	1.00
	T2	1.30
	T3	1.50

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Style
20°	B1	0.75
	J1	0.75
40°	S1	0.75
30°	T1	0.75
60°	Q1	0.75
0.55	F1	0.75

订货举例：

PL75 – E 2 – 333 – 1.2N

系列 头型 头部直径 长度 弹力

说明：

A.针头直上头型直径为∅0.75(∅0.66)mm

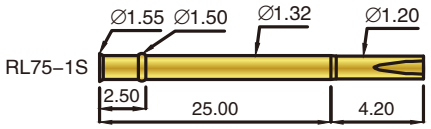
B.头型直径用数字1，2，3表示，如：

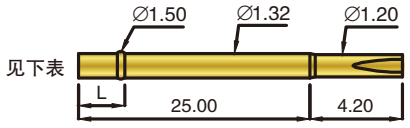
1E头弄为E，直径为∅1.00mm

E2头型为E，直径为∅1.30mm(标准头型)

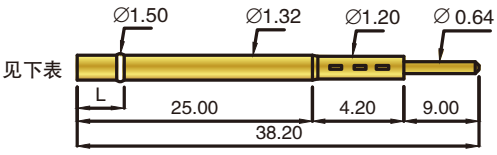
E3头型为E，直径为∅1.50mm

套管（Receptacle):

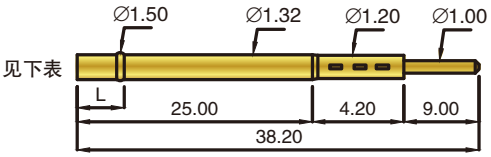




套管型号	L
RL75–2S	2.50
RL75–3S	5.00
RL75–4S	7.50
RL75–5S	10.00



套管型号	L
RL75–2W	2.50
RL75–3W	5.00
RL75–4W	7.50
RL75–5W	10.00



套管型号	L
RL75–2T	2.50
RL75–3T	5.00
RL75–4T	7.50
RL75–5T	10.00

Materials(Plated)(材质与镀层):

Barrel(针管):	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh–plated
Spring(弹簧):	不锈钢线镀金	SUS304,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

Mechanical/Electrical Data(机械参数/电气参数):

Current Rating(额定电流):	2amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	6.35mm
Rated Stroke(额定冲程):	4.25mm
Spring Force(满行程弹力):	(60g)(90g)120g(200g)(250g)(括号内为定制品)

Mounting Hole Size(钻孔尺寸):

CEM1(有机玻璃):	∅1.40mm
FR4(环氧树脂):	∅1.40mm

Operating Temperature(工作温度):

Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

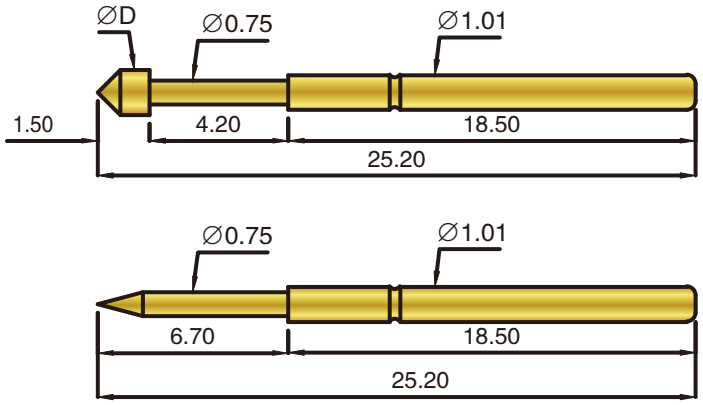
让测试更高效

ORT-PCB

PCB 测试探针（PCB PROBES）

P11系列

最小测试间距1.91mm



针头头型 Tip Style	头型编号 Tip Style	头型直径(∅D) Tip Style
90°	1E	1.00
	E2	1.30
	E3	1.50
90°	1A	1.00
	A2	1.30
	A3	1.50
	1G	1.00
	G2	1.30
	G3	1.50
90°	1K	1.00
	K2	1.30
	K3	1.50
	1LM	1.00
	LM2	1.30
	LM3	1.50
	1D	1.00
	D2	1.30
	D3	1.50
60°	1H	1.00
	H2	1.30
	H3	1.50
60°	1Q	1.00
	Q2	1.30
	Q3	1.50
30°	1T	1.00
	T2	1.30
	T3	1.50

针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Style
20°	B1	0.75
	J1	0.75
40°	S1	0.75
30°	T1	0.75
60°	Q1	0.75
0.30	F1	0.75

订货举例：

P11 – E 2 – 252 – 1.5N

系列 头型 头部直径 长度 弹力

说明：

A.针头直上头型直径为∅0.75mm

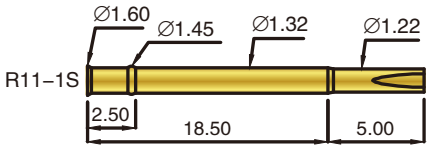
B.头型直径用数字1，2，3表示，如：

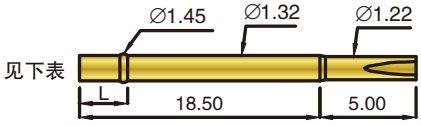
1E头弄为E，直径为∅1.00mm

E2头型为E，直径为∅1.30mm(标准头型)

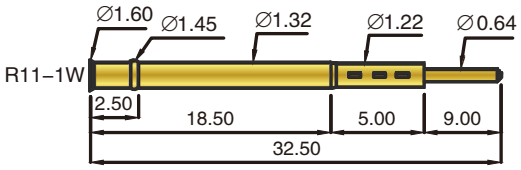
E3头型为E，直径为∅1.50mm

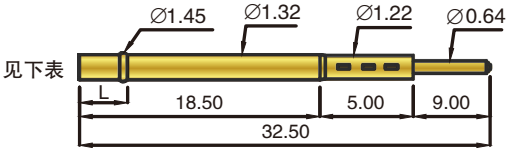
套管（Receptacle):



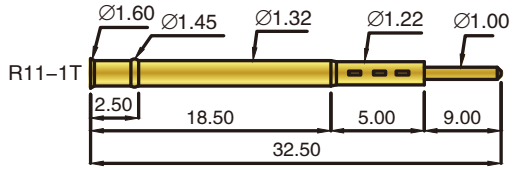


套管型号	L
R11–2S	2.50
R11–3S	4.00





套管型号	L
R11–2W	2.50
R11–3W	4.00



Materials(Plated)(材质与镀层):		
Barrel(针管) :	磷铜管镀金	Bronze,gold–plated
Plunger(针头):	铍铜/SK4镀金/铑	Becu/SK4,Au/Rh–plated
Spring(弹簧):	不锈钢线镀金	SUS304,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,Au on Ni plated

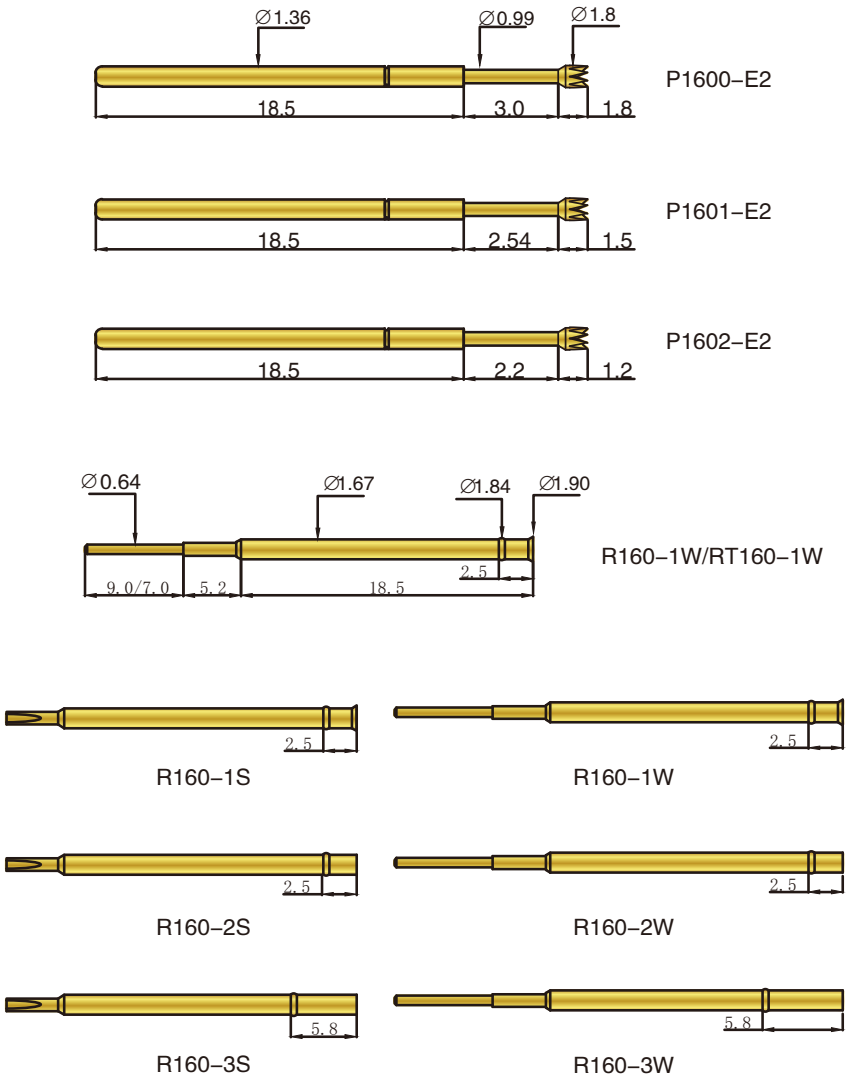
Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	2amps
Contact Resistance(接触电阻):	50milliohms max
Full Stroke(满冲程):	4.20mm
Rated Stroke(额定冲程):	2.80mm
Spring Force(满行程弹力):	(80g)150g (括号内为定制品)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅1.40mm
FR4(环氧树脂):	∅1.40mm

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

P1600系列

最小测试间距2.54mm



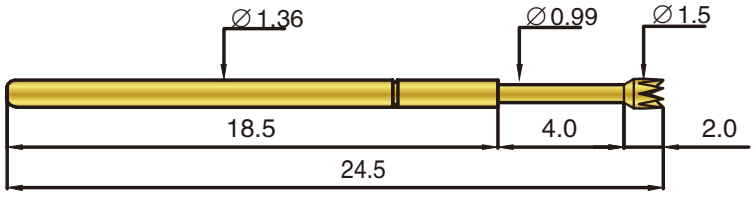
头型编号	针头头型	头型直径
A2/A3		∅1.5/1.8
J1		∅0.99
E2/E3/E4 E5/E6/E8		∅1.5/1.8/2.0 ∅2.5/3.0/4.0
F1		∅0.99
Q1		∅0.99
Q2		∅1.5
M3		∅1.5/1.8
LM2/LM3/LM4 LM5/LM6/LM8		∅1.5/1.8/2.0 ∅2.5/3.0/4.0
B1		∅0.99
D1/D2/D3		∅1.3/1.5/1.8
T2/T3		∅1.5/1.8
H2/H3/H4 H5/H6/H8		∅1.5/1.8/2.0 ∅2.5/3.0/4.0
G1/G2		∅1.0/1.5
K2/K3		∅1.5/1.8

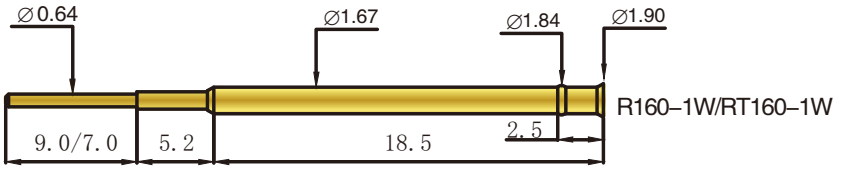
技术要求:

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold-plated
Mounting Hole Size(钻孔尺寸):		∅1.70mm
Current Rating(额定电流):		3amps
Contact Resistance(接触电阻):		50milliohms max
Spring Force(4.0mm行程弹力):		180g

P160系列

最小测试间距2.54mm





R160-1S

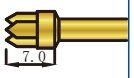
R160-1W

R160-2S

R160-2W

R160-3S

R160-3W

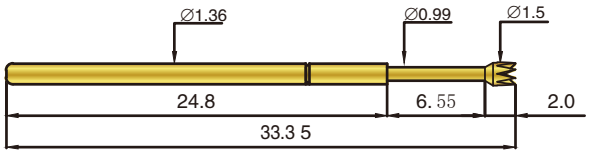
头型编号	针头头型	头型直径
A2/A3		∅1.5/1.8
J1		∅0.99
E2/E3/E4 E5/E6/E8		∅1.5/1.8/2.0 ∅2.5/3.0/4.0
F1		∅0.99
Q1		∅0.99
Q2		∅1.5
M3		∅1.5/1.8
LM2/LM3/LM4 LM5/LM6/LM8		∅1.5/1.8/2.0 ∅2.5/3.0/4.0
B1		∅0.99
D1/D2/D3		∅1.3/1.5/1.8
T2/T3		∅1.5/1.8
H2/H3/H4 H5/H6/H8		∅1.5/1.8/2.0 ∅2.5/3.0/4.0
G1/G2		∅1.0/1.5
K2/K3		∅1.5/1.8

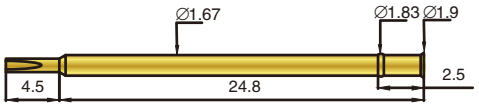
技术要求:

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold-plated
Mounting Hole Size(钻孔尺寸):		∅1.70mm
Current Rating(额定电流):		2amps
Contact Resistance(接触电阻):		50milliohms max
Spring Force(4.0mm行程弹力):		40/60/120/180/280g

P100系列

最小测试间距2.54mm





R100-1S

见下表

针套型号	A(长度)
R100-2S	2.5
R100-3S	5.0
R100-4S	7.5
R100-5S	10
R100-6S	12

见下表

针套型号	A(长度)
R100-2T	2.5
R100-3T	5.0
R100-4T	7.5
R100-5T	10

R100-4VT

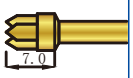
R100-5VT

R100-4VW

R100-5VW

见下表

针套型号	A(长度)
R100-2W	2.5
R100-3W	5.0
R100-4W	7.5
R100-5W	10
R100-6W	120

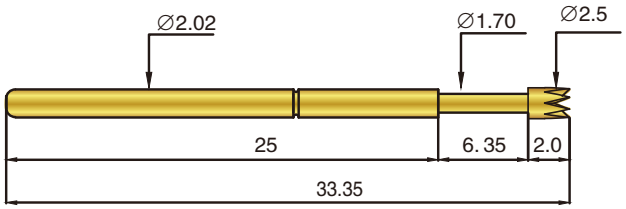
头型编号	针头头型	头型直径
A2/A3		∅1.5/1.8
J1		∅0.99
E2/E3		∅1.5/1.8
F1		∅0.99
Q1		∅0.99
Q2/Q1.3		∅1.5/1.3
M3		∅1.5/1.8
LM2/LM3		∅1.5/1.8
B1		∅0.99
D2/D3		∅1.5/1.8
T2/T3		∅1.5/1.8
H2/H3/H4/H5		∅1.5/1.8 ∅2.0/2.5

技术要求:

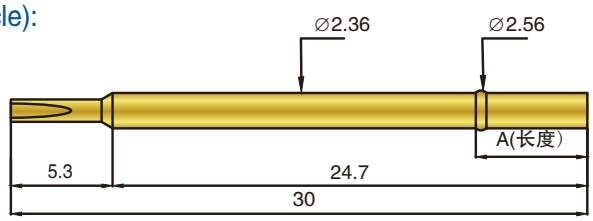
Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold-plated
Mounting Hole Size(钻孔尺寸):		∅1.70mm
Current Rating(额定电流):		2amps
Contact Resistance(接触电阻):		50milliohms max
Spring Force(6.5mm行程弹力):		40/90/120/180/250/280/350g

P125系列

最小测试间距3.18mm



套管（Receptacle):



针头头型 Tip Style	头型编号 Tip Style
	P125-B
	P125-J
	P125-H
	P125-A
	P125-D

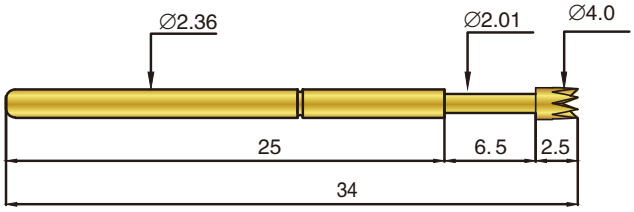
针套型号	A(长度)
R125-1S	0（喇叭口）
R125-2S	2.5
R125-3S	5.0
R125-4S	7.5
R125-5S	10
R125-6S	13

技术要求:

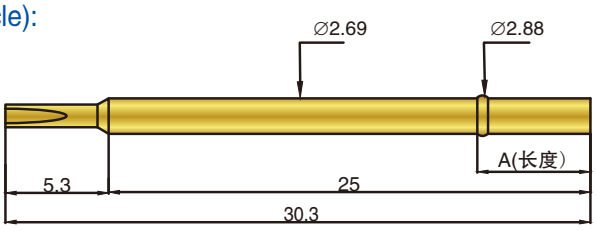
Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold-plated
Mounting Hole Size(钻孔尺寸):		∅2.4mm
Current Rating(额定电流):		3amps
Contact Resistance(接触电阻):		50milliohms max
Spring Force(6.35mm行程弹力):		65/180/280/350g

P156系列

最小测试间距3.96mm



套管（Receptacle):



针头头型 Tip Style	头型编号 Tip Style
	P156-B
	P156-J
	P156-H
	P156-A
	P156-D

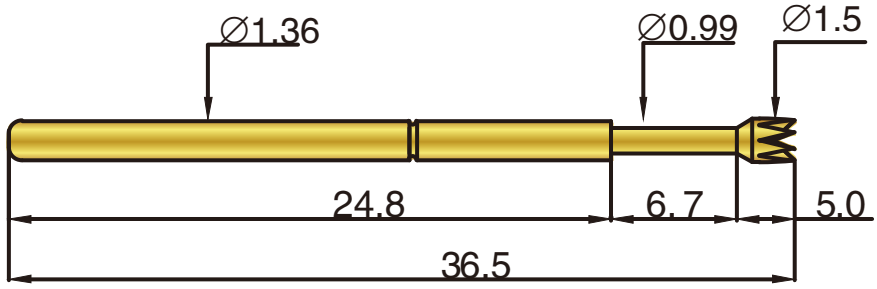
针套型号	A(长度)
R156-1S	0（喇叭口）
R156-2S	2.5
R156-3S	5.0
R156-4S	7.5

技术要求:

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold-plated
Mounting Hole Size(钻孔尺寸):		∅2.75mm
Current Rating(额定电流):		3amps
Contact Resistance(接触电阻):		50milliohms max
Spring Force(6.35mm行程弹力):		200/250/280/380g

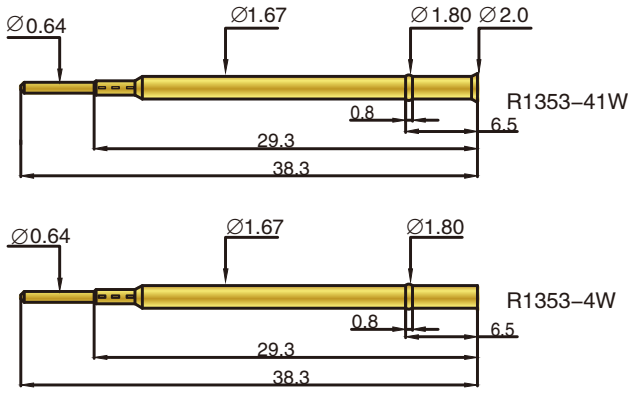
G1353系列

最小测试间距2.54mm



针头头型 Tip Style	头型编号 Tip Style
	G1353-B
	G1353-E
	G1353-H
	G1353-M3

套管（Receptacle):

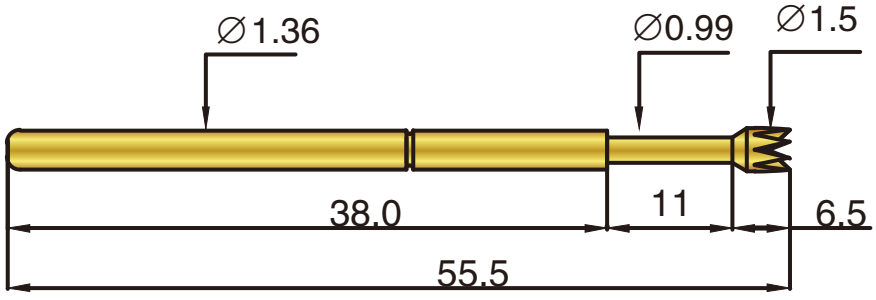


技术要求:

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold-plated
Mounting Hole Size(钻孔尺寸):		∅1.7mm
Current Rating(额定电流):		2amps
Spring Force(6.70行程弹力):		180g/280

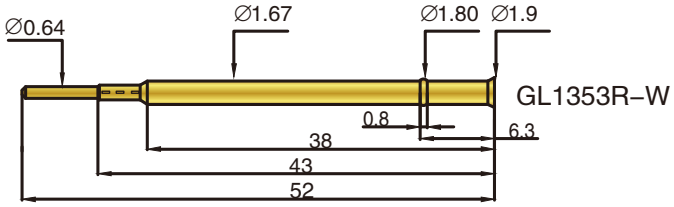
GI 1353系列

最小测试间距2.54mm



针头头型 Tip Style	头型编号 Tip Style
	GI 1353-B
	GI 1353-E
	GI 1353-H
	GI 1353-M3

套管（Receptacle):

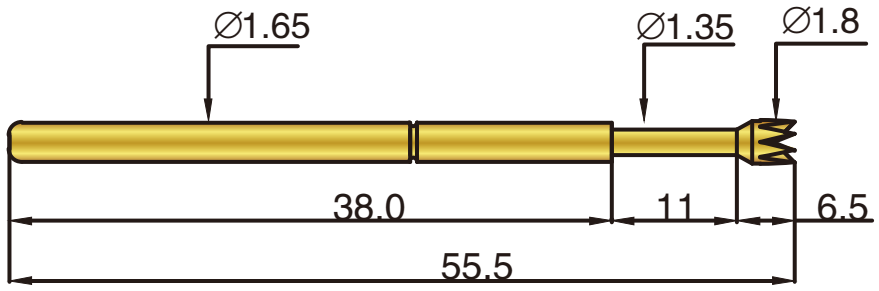


技术要求:

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold-plated
Mounting Hole Size(钻孔尺寸):		∅1.7mm
Current Rating(额定电流):		2amps
Spring Force(11. 0行程弹力):		250g

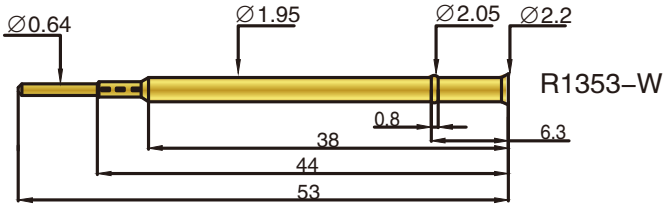
S1353系列

最小测试间距3.18mm



针头头型 Tip Style	头型编号 Tip Style
	S1353-B
	S1353-E
	S1353-H
	S1353-M3

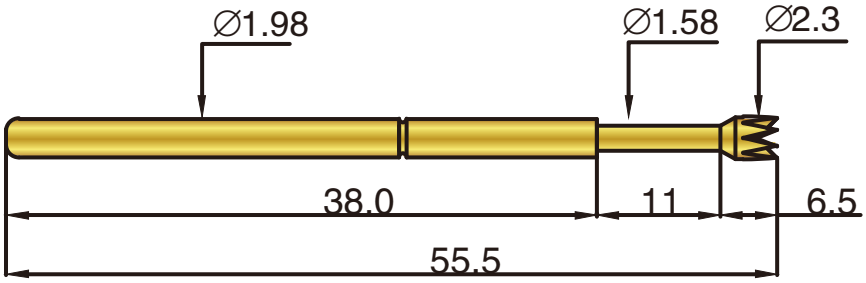
套管（Receptacle):



技术要求:		
Barrel(针管) :	磷铜管镀镍	Bronze,NI-plated
Plunger(针头):	铍铜/SK4镀镍	Becu/SK4,NI-plated
Spring(弹簧):	琴钢线	
Receptacle(套管):	黄铜管镀镍	Brass,NI-plated
Mounting Hole Size(钻孔尺寸):		∅1.7mm
Current Rating(额定电流):		2amps
Spring Force(11. 0行程弹力):		250g

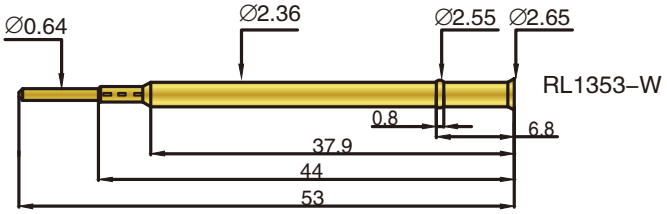
1353L系列

最小测试间距3.96mm



针头头型 Tip Style	头型编号 Tip Style
	1353L-B
	1353L-E
	1353L-H
	1353L-M3

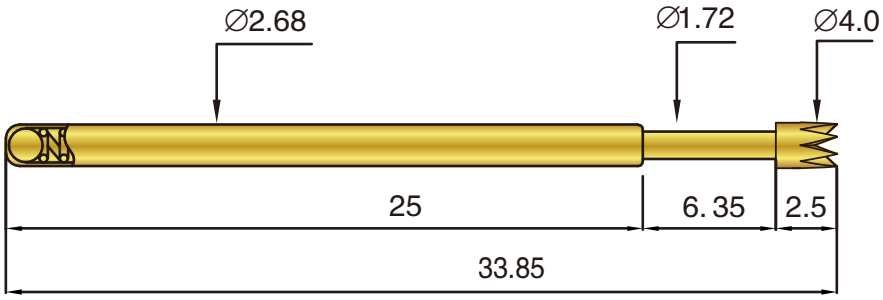
套管（Receptacle):



技术要求:		
Barrel(针管) :	磷铜管镀镍	Bronze,NI-plated
Plunger(针头):	铍铜/SK4镀镍	Becu/SK4,NI-plated
Spring(弹簧):	琴钢线	
Receptacle(套管):	黄铜管镀镍	Brass,NI-plated
Mounting Hole Size(钻孔尺寸):		∅2.4mm
Current Rating(额定电流):		3amps
Spring Force(11.0行程弹力):		380g

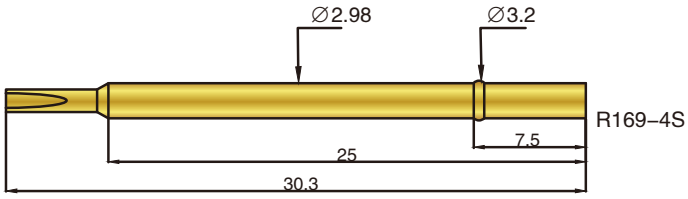
PA169系列

最小测试间距4.3mm



针头头型 Tip Style	头型编号 Tip Style
	PA169-B
	PA169-J
	PA169-H
	PA169-A
	PA169-D

套管（Receptacle):

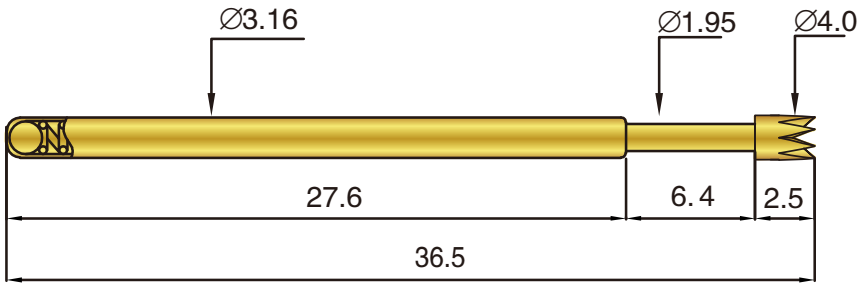


技术要求:

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold-plated
Mounting Hole Size(钻孔尺寸):		∅3.0mm
Current Rating(额定电流):		5amps
Contact Resistance(接触电阻):		50milliohms max
Spring Force(6.35行程弹力):		200g

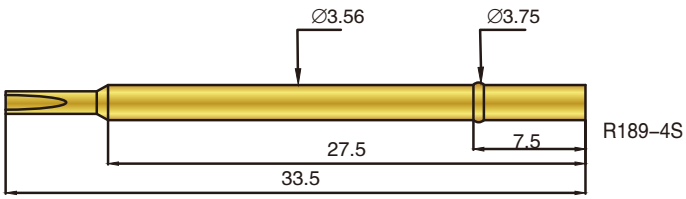
PA189系列

最小测试间距4.8mm



针头头型 Tip Style	头型编号 Tip Style
	PA189-B
	PA189-J
	PA189-H
	PA189-A
	PA189-D

套管（Receptacle):



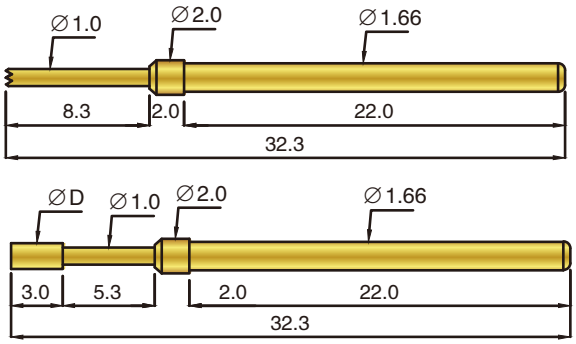
技术要求:

Barrel(针管) :	磷铜管镀金	Bronze,gold-plated
Plunger(针头):	铍铜/SK4镀金	Becu/SK4,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜管镀金	Brass,gold-plated
Mounting Hole Size(钻孔尺寸):		∅3.6mm
Current Rating(额定电流):		5amps
Contact Resistance(接触电阻):		50milliohms max
Spring Force(6.40行程弹力):		200/250/300/450g

ORT–Heavy Current

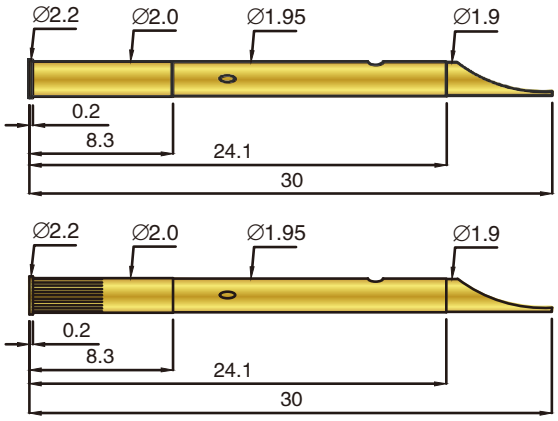
Heavy Current测试探针（HC PROBES)

HC118–3230系列



头型编号	针头头型	针头直径(∅D)
H		1.0
G		1.0
D		1.0
H250/350		2.50/3.50
G150/200		1.50/2.00

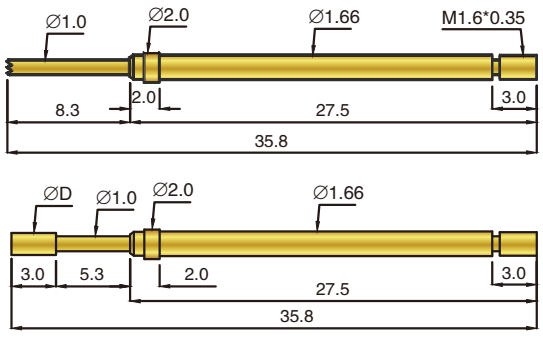
针套



技术要求:	
额定电流:	16A
接触电阻:	10mΩmax
满冲程:	5.30mm
工作冲程:	4.00mm
工作弹力:	(0.8N)1.5N(2.2N)

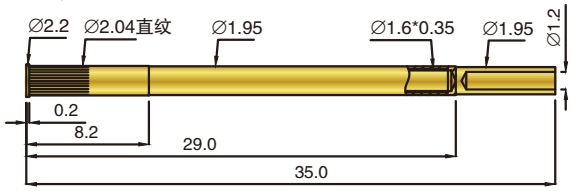
材质及表面处理:		
针头:	铍铜(BeCu)/SK4	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated
针套:	黄铜(Brass)	Au on Ni Plated

HC118–3580系列



头型编号	针头头型	针头直径(∅D)
H		1.0
G		1.0
D		1.0
H250/350		2.50/3.50
G150/200		1.50/2.00

针套



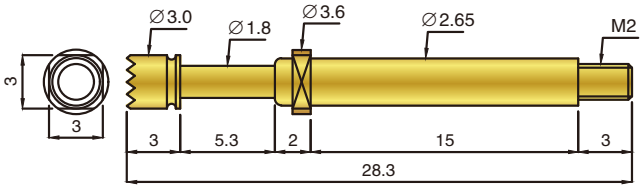
技术要求:	
额定电流:	16A
接触电阻:	10mΩmax
满冲程:	5.30mm
工作冲程:	4.00mm
工作弹力:	(0.8N)1.5N(2.2N)

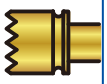
材质及表面处理:		
针头:	铍铜(BeCu)/SK4	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated
针套:	黄铜(Brass)	Au on Ni Plated

ORT–Heavy Current

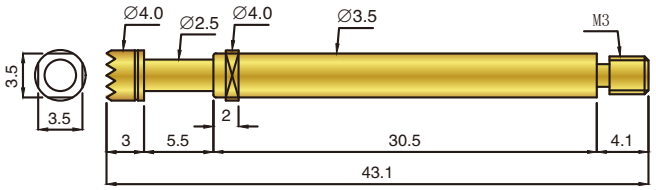
Heavy Current测试探针（HC PROBES)

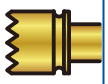
HC120–2830系列



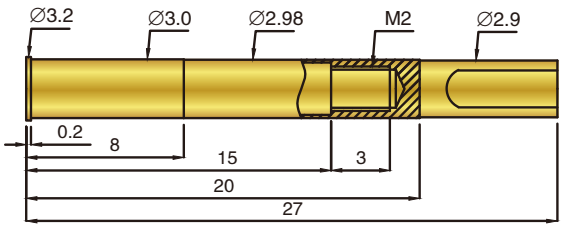
头型编号	针头头型	针头直径(∅D)
H300/H400		3.00/4.00
A300/A400		3.00/4.00
LM300 LM400		3.00/4.00

HC150–4310系列



头型编号	针头头型	针头直径(∅D)
H300/H400		3.00/4.00
A300/A400		3.00/4.00
LM300 LM400		3.00/4.00

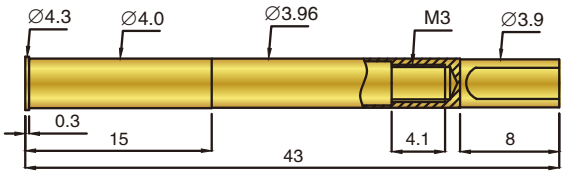
针套



技术要求:	
额定电流:	24A
接触电阻:	10mΩmax
满冲程:	5.30mm
工作冲程:	4.00mm
工作弹力:	2.3N(3N)

材质及表面处理:		
针头:	铍铜(BeCu)	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated
针套:	黄铜(Brass)	Au on Ni Plated

针套



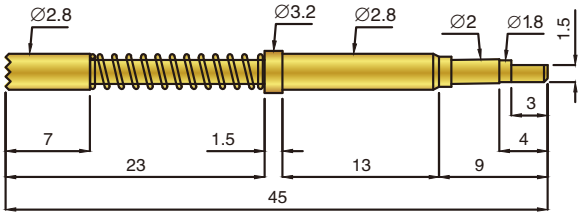
技术要求:	
额定电流:	50A
接触电阻:	10mΩmax
满冲程:	5.35mm
工作冲程:	4.40mm
工作弹力:	3N

材质及表面处理:		
针头:	铍铜(BeCu)	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated
针套:	黄铜(Brass)	Au on Ni Plated

ORT–Heavy Current

Heavy Current测试探针（HC PROBES）

HC280–4500系列



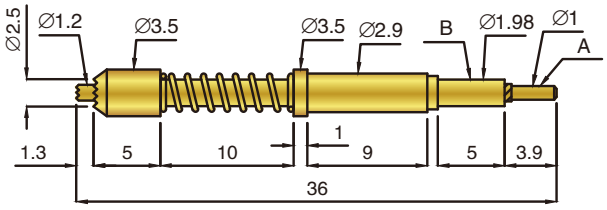
技术要求:

额定电流:	10A
接触电阻:	20mΩmax
满冲程:	9.10mm
工作冲程:	4.00mm
工作弹力:	3.2N

材质及表面处理:

针头:	铍铜(BeCu)	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated

HC290–3600系列



技术要求:

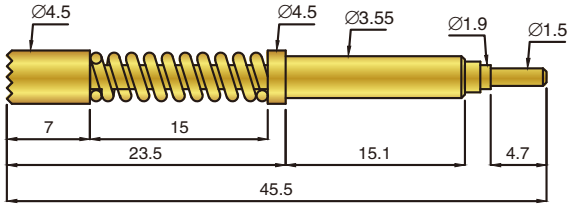
额定电流:	16A
接触电阻:	30mΩmax
满冲程:	4.40mm
工作冲程:	4.00mm
工作弹力:	5.6N

由于A与B有绝缘体分隔建
议客户：
A处采用Ø1端子线连接
B处采用200×500焊接片

材质及表面处理:

针头:	铍铜(BeCu)	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated

HC355–4550系列



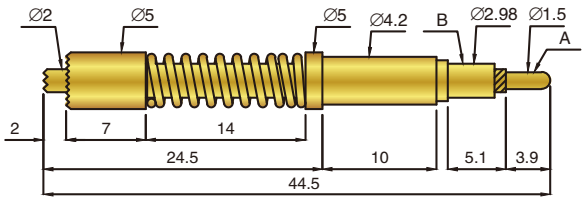
技术要求:

额定电流:	12A
接触电阻:	15mΩmax
工作冲程:	7.70mm
工作弹力:	(2N)4.8N

材质及表面处理:

针头:	黄铜(Brass)	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated

HC420–4450系列



技术要求:

额定电流:	16A
接触电阻:	30mΩmax
满冲程:	8.50mm
工作冲程:	6.30mm
工作弹力:	3.8N

由于A与B有绝缘体分隔建
议客户：
A处采用Ø1.5端子线连接
B处采用300×500焊接片

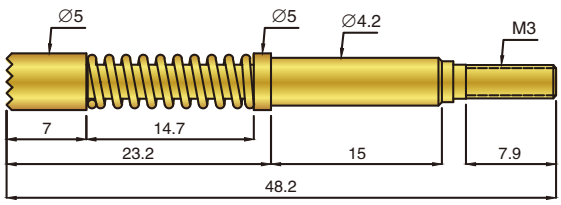
材质及表面处理:

针头:	铍铜(BeCu)	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated

ORT–Heavy Current

Heavy Current测试探针（HC PROBES）

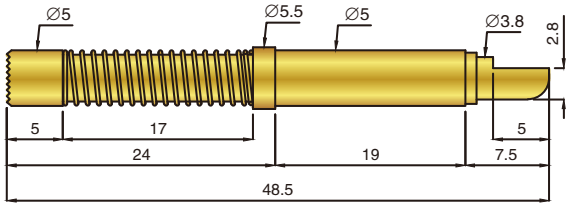
HC420–4820系列



技术要求:	
额定电流:	15A
接触电阻:	12mΩmax
工作冲程:	9.20mm
工作弹力:	3N/3.5N/6N/10N/17N

材质及表面处理:		
针头:	黄铜(Brass)	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated

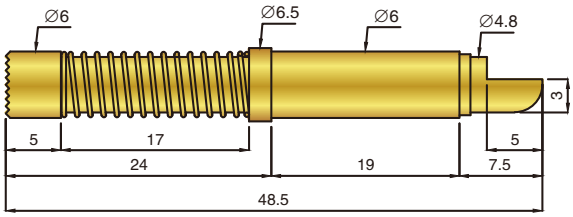
HC500–4850系列



技术要求:	
额定电流:	20A
接触电阻:	12mΩmax
工作冲程:	5.0mm
工作弹力:	6N

材质及表面处理:		
针头:	铍铜(BeCu)	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated

HC600–4850系列



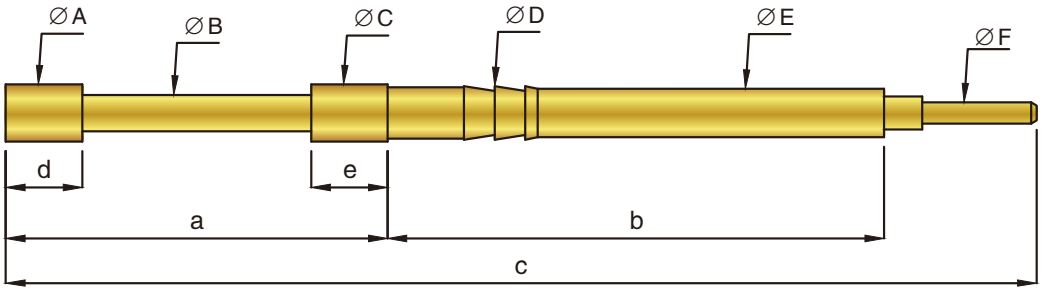
技术要求:	
额定电流:	45A
接触电阻:	8mΩmax
工作冲程:	5.00mm
工作弹力:	7N

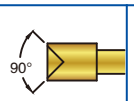
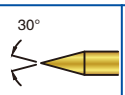
材质及表面处理:		
针头:	铍铜(BeCu)	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated

ORT–Heavy Current

Heavy Current测试探针（HC PROBES）

HP1/2/3/4/5/6系列



针头头型						
头型编号	A	B	G	J	H	Q

型号 Type / 规格 Spec	A	B	C	D	E	F	a	b	c	d	e	行程	建议钻孔尺寸	最小间距	全行程弹力	针头材质	额定电流
PH–1	1. 20	0.75	1.20	1.00	0.97	0.47	7	9.50	20.5	1.0	1.0	3.5mm	1.00mm	1.70mm	(70g)100g	Ph/SK4	1A
PH–2	1.50	0.93	1.50	1.34	1.27	0.56	10	13.0	27.0	2.0	2.0	6.0mm	1.30mm	2.00mm	150g(200g)(300g)	Ph/SK4	2A
PH–3	2.00	1.29	2.00	1.83	1.77	0.75	16	16.0	36.0	2.0	2.0	8.3mm	1.80mm	2.50mm	150g	Ph/SK4	3A
PH–4	2.50	1.80	2.50	2.33	2.27	1.25	16	18.0	38.0	3.0	3.0	10.5mm	2.30mm	3.00mm	150g	Ph/SK4	6A
PH–5	3.50	2.50	3.50	3.23	3.17	1.62	16	18.0	38.0	3.0	3.0	10.0mm	3.20mm	4.20mm	(60g)200g(400g)	Brass	10A
PH–6	5.00	3.40	5.00	4.55	4.50	2.45	16	19.5	40.0	4.0	1.5	10.5mm	4.50mm	5.50mm	250g	Brass	12A

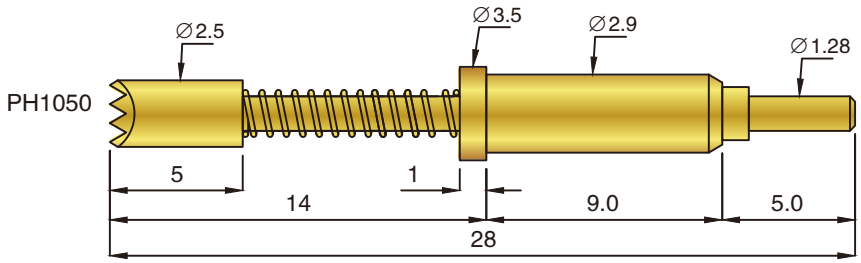
订货举例：

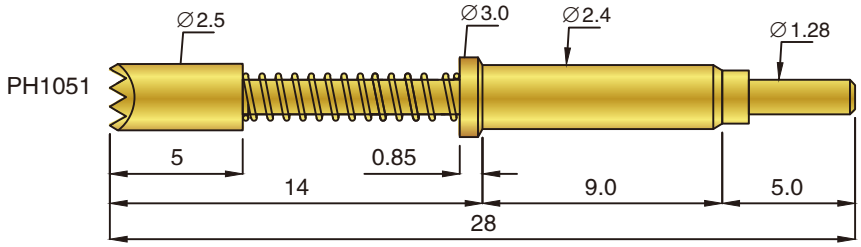
Ph1	–	A	100	B	G	06
系列		头型	头部直径	针头材料	镀层材料	全行程弹力
				B:铍铜(BeCu) S:工具钢(SK4) P:磷铜(Ph) R:黄铜(Brass)	G:镀金 N:镀镍	06:60g 15:150g 以此类推

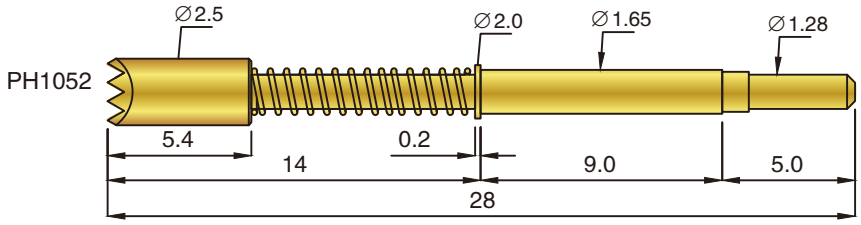
ORT–Heavy Current

Heavy Current测试探针（HC PROBES）

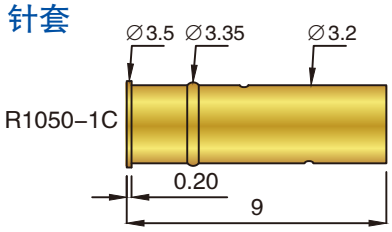
PH1050/1051/1052系列

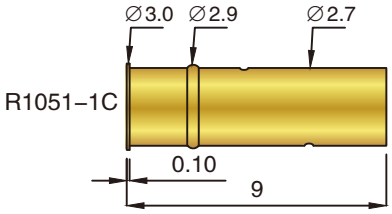


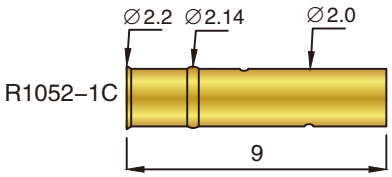


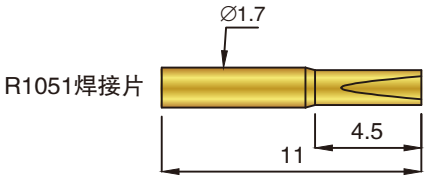


针套









针头头型	头型编号
90°	A
60°	E
	G

针头头型	头型编号
	LM
60°	H

订货举例：

Ph1050 – A 250 B G 20

系列	头型	头部直径	针头材料	镀层材料	全行程弹力
			B:铍铜(BeCu) S:工具钢(SK4) R:黄铜(Brass)	G:镀金 N:镀镍	20:200g 25:250g 以此类推

技术要求:

额定电流:	5A
满冲程:	PH1050:8.0mm PH1051:8.15mm PH1052:8.4mm
满冲程弹力:	(200g)250g(350g)(400g)

材质及表面处理:

针头:	铍铜(BeCu)/SK4	Au on Ni Plated
针管 :	黄铜(Brass)	Au on Ni Plated
弹簧:	不锈钢(SUS304)	Au on Ni Plated
针套:	黄铜(Brass)	Au on Ni Plated
焊接片:	黄铜(Brass)	Au on Ni Plated

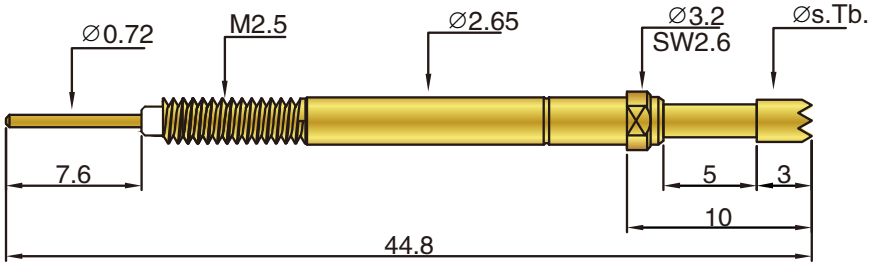
ORT883

138mil开关式探针（螺纹式）

安装高度(Installation Height):10.2~15.2mm
网格大小(Grid)：≥3.5(138Mil)

安装功能和尺寸
（Mounting and Functional Dimensions):

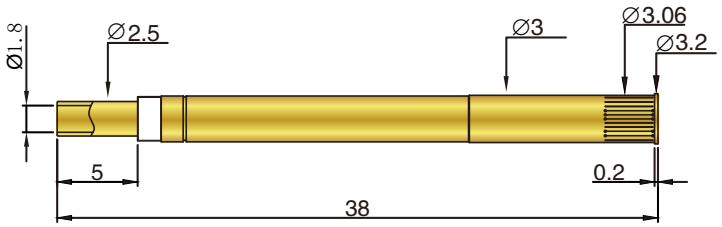
ORT–883



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	06	230
	17	230
	05	230
	16	180

套管（Receptacle):

ORT–885KB



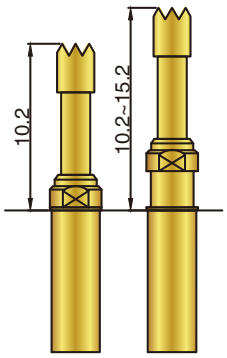
Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀金	Brass,gold–plated
Plunger(针头):	铍铜镀金	Becu,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	3amps
Switch Stroke(开关行程):	1.7mm
Full Stroke(满冲程):	5.0mm
Rated Stroke(额定冲程):	4.2mm
Spring Force(额定弹力):	1N/2.5N(可选)

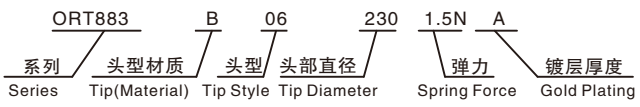
Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	带滚花针套 ∅3.0~3.02mm,无滚花针套 ∅2.98~2.99mm
FR4(环氧树脂):	带滚花针套 ∅3.0~3.02mm,无滚花针套 ∅2.98~2.99mm

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

使用介绍（Introduction to use):



订货举例（Ordering Example）：



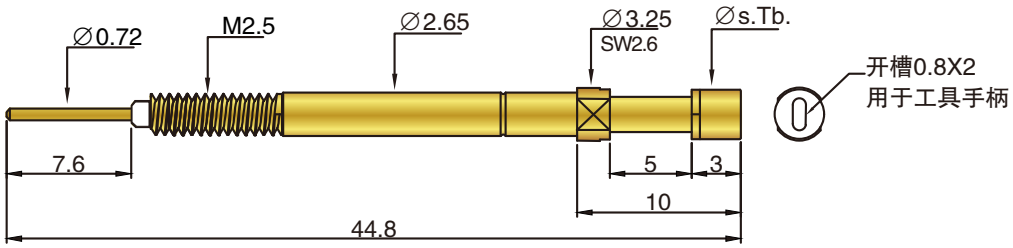
ORT886

138mil开关式探针（螺纹式）

安装高度(Installation Height):10.2~15.2mm
网格大小(Grid)：≥3.5(138Mil)

安装功能和尺寸
(Mounting and Functional Dimensions):

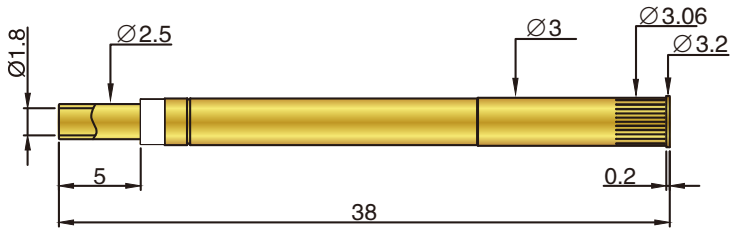
ORT-886



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	17	300
	17	495

套管（Receptacle):

ORT-885KB



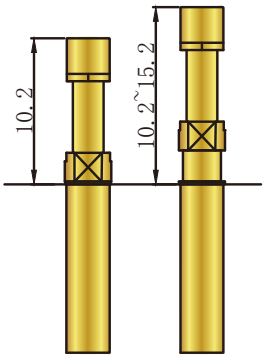
Materials(Plated)(材质与镀层):		
Barrel(针管)：	黄铜镀金	Brass,gold-plated
Plunger(针头):	铍铜镀金	Becu,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜镀金	Brass,gold-plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	3amps
Switch Stroke(开关行程):	1.7mm
Full Stroke(满冲程):	5.0mm
Rated Stroke(额定冲程):	4.2mm
Spring Force(额定弹力):	1N/2.5N(可选)

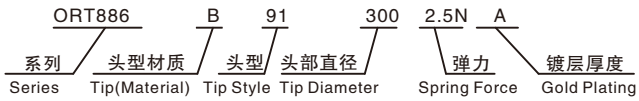
Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	带滚花针套 ∅3.0~3.02mm,无滚花针套 ∅2.98~2.99mm
FR4(环氧树脂):	带滚花针套 ∅3.0~3.02mm,无滚花针套 ∅2.98~2.99mm

Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

使用介绍（Introduction to use):



订货举例（Ordering Example）：



让测试更高效

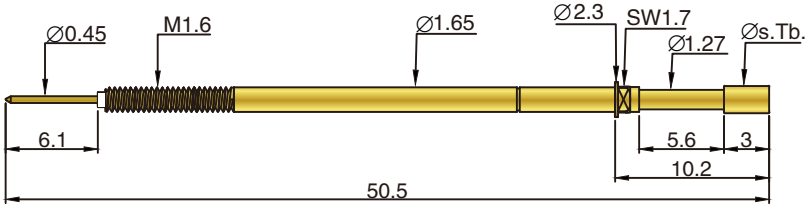
ORT875

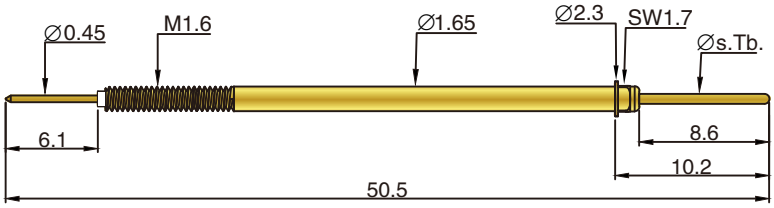
100mil开关式探针（螺纹式）

安装高度(Installation Height):10.6~15.6mm
网格大小(Grid)：≥2.54(100Mil)

安装功能和尺寸
(Mounting and Functional Dimensions):

ORT-875

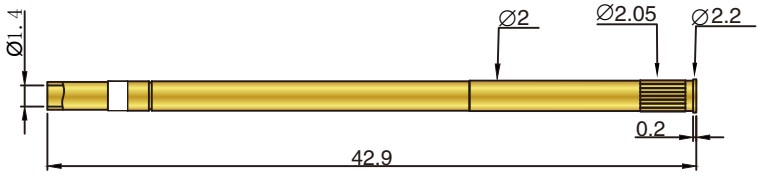




针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	17	180
	06	180
	05	180
	16	065
	16	100
	11	065
	11	080

套管（Receptacle):

ORT-875KB



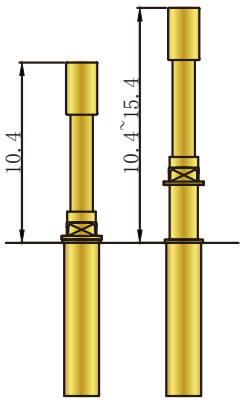
Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀金	Brass,gold-plated
Plunger(针头):	铍铜镀金	Becu,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜镀金	Brass,gold-plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	3amps
Switch Stroke(开关行程):	1.5mm
Full Stroke(满冲程):	5.6mm
Rated Stroke(额定冲程):	4.0mm
Spring Force(额定弹力):	1.5N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	带滚花针套 ∅2.02~2.03mm,无滚花针套 ∅1.99~2.0mm
FR4(环氧树脂):	带滚花针套 ∅2.02~2.03mm,无滚花针套 ∅1.99~2.0mm

Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

使用介绍（Introduction to use):



订货举例（Ordering Example）：

ORT875 / B / 17 / 180 / 1.5N / A

系列 Series / 头型材质 Tip(Material) / 头型 Tip Style / 头部直径 Tip Diameter / 弹力 Spring Force / 镀层厚度 Gold Plating

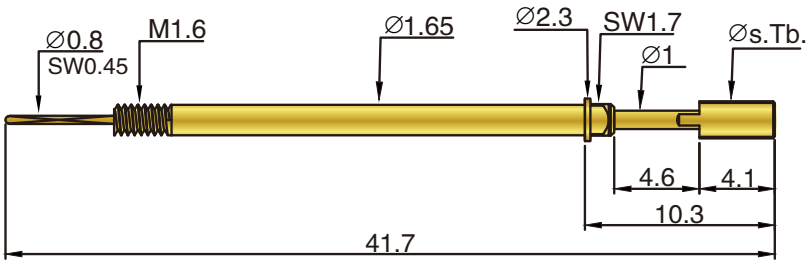
ORT756

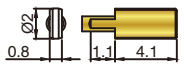
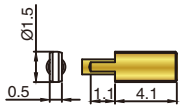
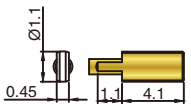
100mil螺纹式探针（防转动式/运动式）

安装高度(Installation Height):10.5mm
网格大小(Grid)：≥2.54(100Mil)

安装功能和尺寸
(Mounting and Functional Dimensions):

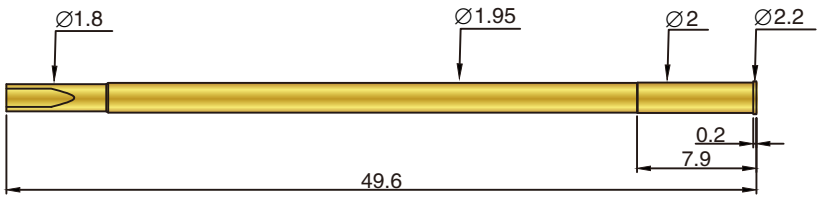
ORT–756



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	84	200
	84	150
	84	110
	14	200
	11	064

套管（Receptacle):

ORT–756SHAT



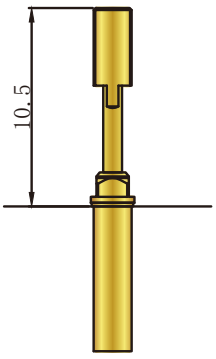
Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀金	Brass,gold–plated
Plunger(针头):	铍铜镀金	Becu,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Ri 典型(R typ):	30milliohms max
Full Stroke(满冲程):	4.4mm
Rated Stroke(额定冲程):	4.0mm
Spring Force(额定弹力):	2.8N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	带滚花针套 Ø2.00~2.02mm,无滚花针套 Ø1.99mm
FR4(环氧树脂):	带滚花针套 Ø2.00~2.02mm,无滚花针套 Ø1.99mm

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

使用介绍（Introduction to use):



订货举例（Ordering Example）：

ORT756 / B / 84 / 200 / 2.8N / A

系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	弹力 Spring Force	镀层厚度 Gold Plating

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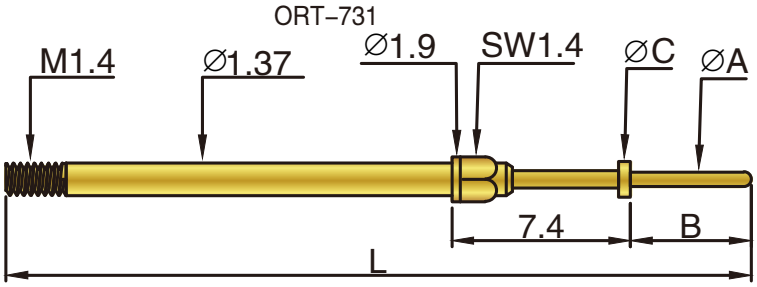
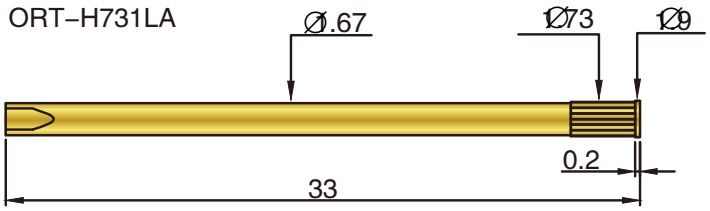
安装功能和尺寸
(Mounting and Functional Dimensions):



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	16	
	11	
	11 G	

*商品编号末尾的特殊标记“G”

套管（Receptacle):



Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀金	Brass,gold-plated
Plunger(针头):	铍铜镀金	Becu,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜镀金	Brass,gold-plated

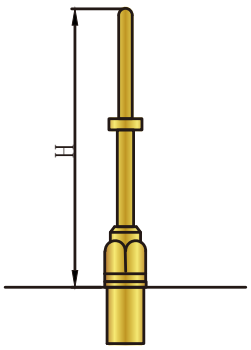
Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Ri 典型(R typ):	30milliohms max
Full Stroke(满冲程):	4.4mm
Rated Stroke(额定冲程):	3.5mm
Spring Force(额定弹力):	1.2N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	Ø1.67~1.68mm
FR4(环氧树脂):	Ø1.67~1.68mm

Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

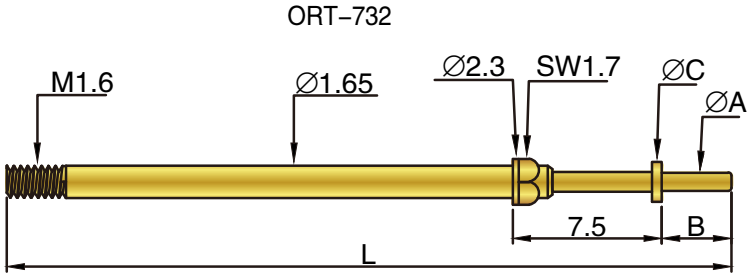
订购编号	A 针头 mm	B 针头高度 mm	C 挡圈 mm	L 总长度 mm	H 安装高度 mm
ORT731 B11 060 500 150	0.6	5.0	1.5	30.9	12.6
ORT731 B11 070 500 150	0.7	5.0	1.5	30.9	12.6
ORT731 B11 060 350 150	0.6	3.5	1.5	29.4	11.1
ORT731 B11 070 350 150	0.7	3.5	1.5	29.4	11.1
ORT731 B11 080 350 150	0.8	3.5	1.5	29.4	11.1
ORT731 B11 100 350 150	1.0	3.5	1.5	29.4	11.1
ORT731 B16 060 350 150	0.6	3.5	1.5	29.4	11.1

使用介绍（Introduction to use):



订货举例（Ordering Example）：

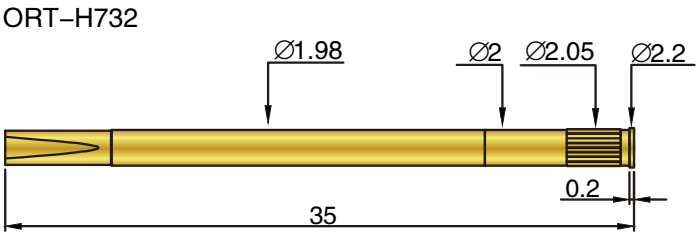
安装功能和尺寸
(Mounting and Functional Dimensions):



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	16	
	11	
	11 G	

*商品编号末尾的特殊标记“G”

套管 (Receptacle):



Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀金	Brass,gold-plated
Plunger(针头):	铍铜镀金	Becu,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜镀金	Brass,gold-plated

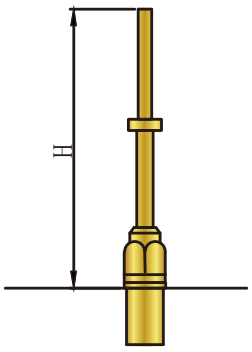
Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Ri 典型(R typ):	30milliohms max
Full Stroke(满冲程):	5.0mm
Rated Stroke(额定冲程):	4.0mm
Spring Force(额定弹力):	1.5N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	带滚花针套 Ø2.00~2.02mm,无滚花针套 Ø1.99mm
FR4(环氧树脂):	带滚花针套 Ø2.00~2.02mm,无滚花针套 Ø1.99mm

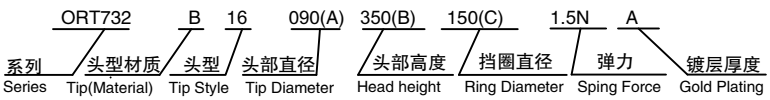
Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

订购编号	A 针头 mm	B 针头高度 mm	C 挡圈 mm	L 总长度 mm	H 安装高度 mm
ORT732 B16 090 350 150	0.9	3.5	1.5	36.5	11.2
ORT732 B16 120 350 150	1.2	3.5	1.5	36.5	11.2
ORT732 B11 065 250 150	0.65	2.5	1.5	35.5	10.2
ORT732 B11 065 430 150	0.65	4.3	1.5	37.3	12.0
ORT731 B11 065 500 150	0.65	5.0	1.5	38.0	12.7

使用介绍 (Introduction to use):



订货举例 (Ordering Example) :



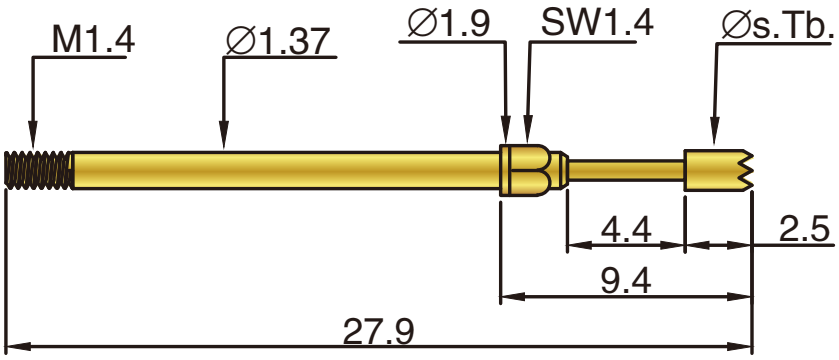
ORT731LW

94mil螺纹式探针

安装高度(Installation Height):9.6mm
网格大小(Grid)：≥2.4(94Mil)

安装功能和尺寸
(Mounting and Functional Dimensions):

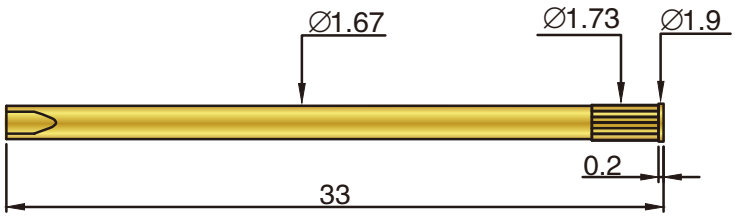
ORT–731LW



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	17	150
	06	150
	05	150
	16	075
	11	075

套管 (Receptacle):

ORT–H731LA



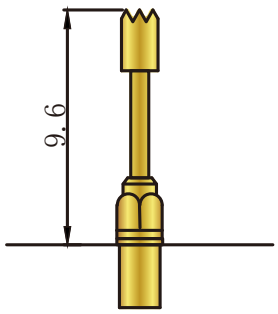
Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀金	Brass,gold–plated
Plunger(针头):	铍铜镀金	Becu,gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜镀金	Brass,gold–plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Ri 典型(R typ):	30milliohms max
Full Stroke(满冲程):	4.4mm
Rated Stroke(额定冲程):	3.5mm
Spring Force(额定弹力):	1.2N(可选)

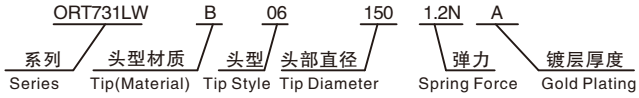
Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅1.67~1.68mm
FR4(环氧树脂):	∅1.67~1.68mm

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

使用介绍 (Introduction to use):



订货举例 (Ordering Example) :

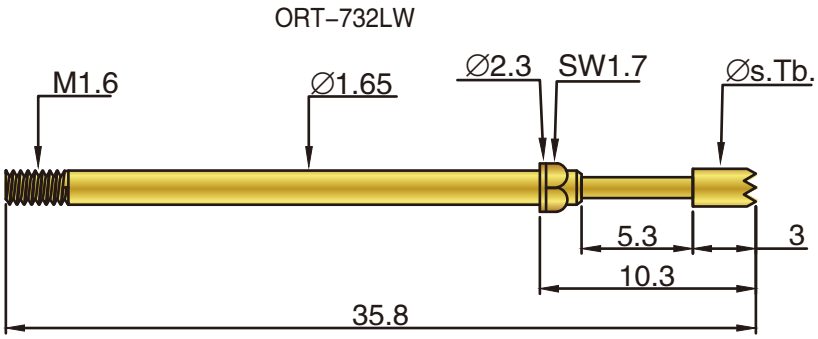


ORT732LW

100mil台阶针

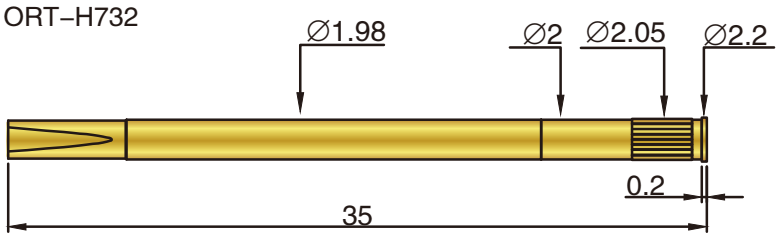
安装高度(Installation Height):Hmm
网格大小(Grid)：≥2.54(100Mil)

安装功能和尺寸
(Mounting and Functional Dimensions):



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	17	150
	06	180
	05	200
	16	100
	11	100
	07	200
	12	200
	28	200
	14	200

套管 (Receptacle):



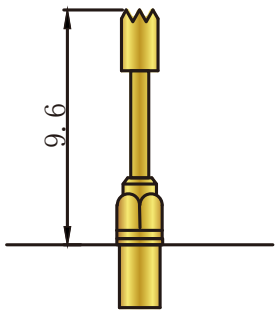
Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀金	Brass,gold-plated
Plunger(针头):	铍铜镀金	Becu,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜镀金	Brass,gold-plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Ri 典型(R typ):	30milliohms max
Full Stroke(满冲程):	5.0mm
Rated Stroke(额定冲程):	4.0mm
Spring Force(额定弹力):	1.5N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	带滚花针套 Ø2.00~2.02mm,无滚花针套 Ø1.99mm
FR4(环氧树脂):	带滚花针套 Ø2.00~2.02mm,无滚花针套 Ø1.99mm

Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

使用介绍 (Introduction to use):



订货举例 (Ordering Example) :

ORT732LW / B / 06 / 180 / 1.5N / A

系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	弹力 Spring Force	镀层厚度 Gold Plating
ORT732LW	B	06	180	1.5N	A

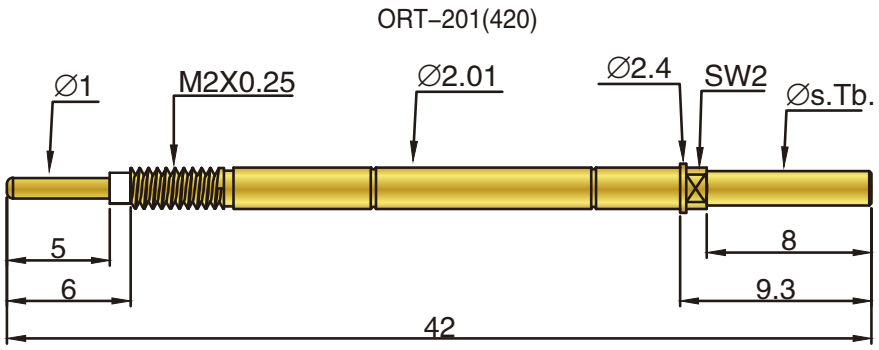
让测试更高效

ORT201(420)

118mil开关式探针(螺纹式)

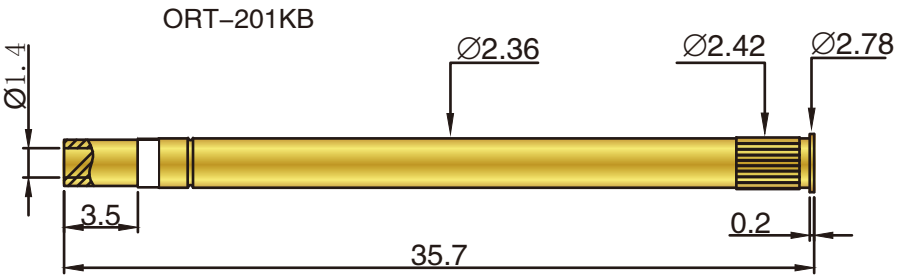
安装高度(Installation Height):10.6~15.6mm
网格大小(Grid)：≥3.0(118Mil)

安装功能和尺寸
(Mounting and Functional Dimensions):



针头头型 Tip Style	头型编号 Tip Style	头型直径 Tip Dim
	16	167
	16	100
	11	167

套管 (Receptacle):



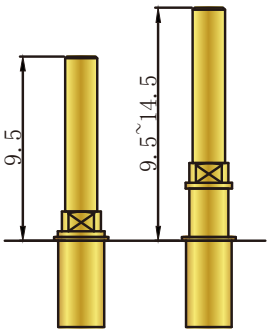
Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀金	Brass,gold-plated
Plunger(针头):	铍铜镀金	Becu,gold-plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated
Receptacle(套管):	黄铜镀金	Brass,gold-plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Switch Stroke(开关行程):	1.2mm
Full Stroke(满冲程):	4.0mm
Rated Stroke(额定冲程):	3.0mm
Spring Force(额定弹力):	1.5N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅2.36~2.38mm
FR4(环氧树脂):	∅2.36~2.38mm

Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

使用介绍 (Introduction to use):



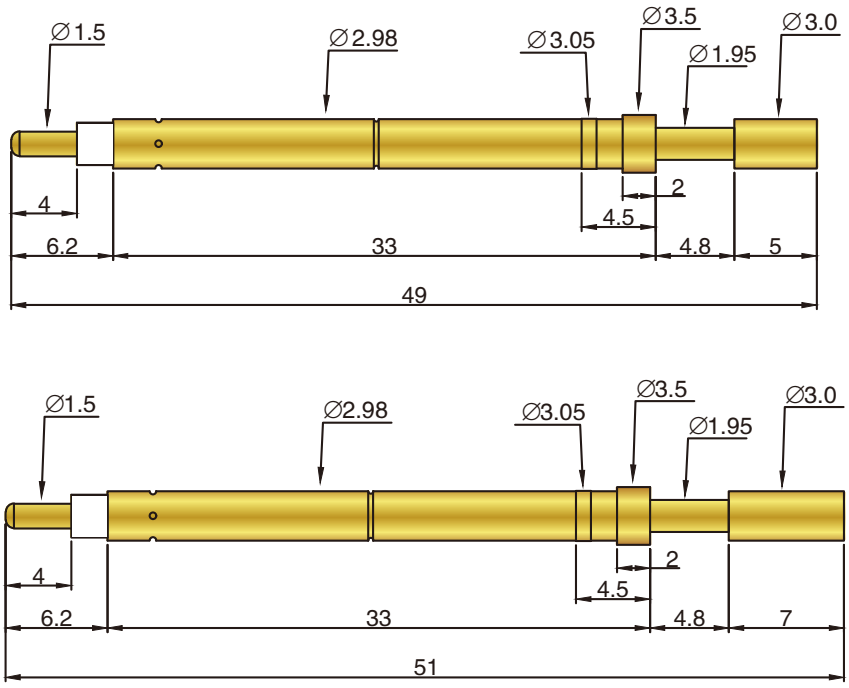
订货举例 (Ordering Example) :

ORT201 B 16 167 420 1.5N A

系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	总长 cabinet minister	弹力 Sping Force	镀层厚度 Gold Plating

安装功能和尺寸
(Mounting and Functional Dimensions):

ORT–300K



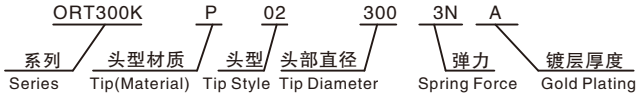
Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀镍	Brass,Ni plated
Plunger(针头):	铍铜镀金	Becu gold–plated
Spring(弹簧):	琴钢线镀金	SWP,Au on Ni Plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Switch Stroke(开关行程):	2.0mm
Full Stroke(满冲程):	4.8mm
Rated Stroke(额定冲程):	3.2mm
Spring Force(额定弹力):	3N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅3.0mm
FR4(环氧树脂):	∅3.0mm

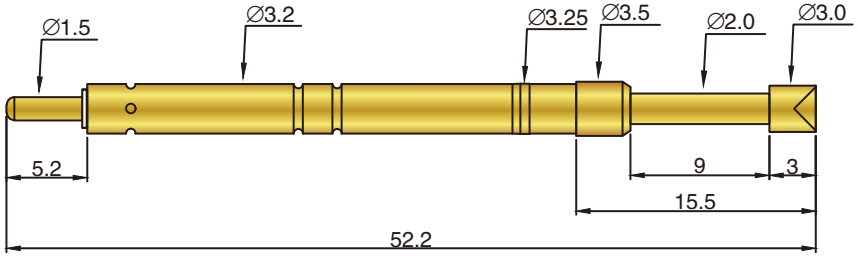
Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

订货举例（Ordering Example）：

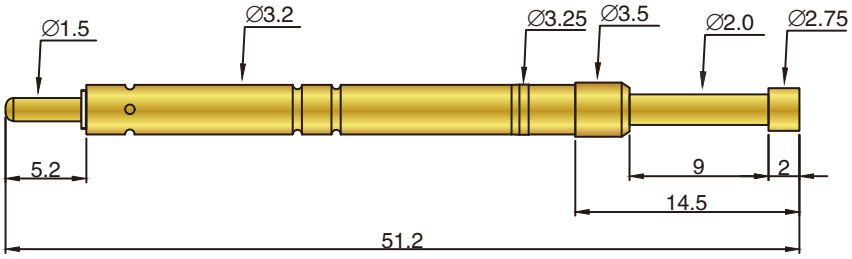


安装功能和尺寸
(Mounting and Functional Dimensions):

ORT–320(522)



ORT–320(512)



Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀镍	Brass,Ni plated
Plunger(针头):	铍铜镀金	Becu gold–plated
Spring(弹簧):	不锈钢线	SUS

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Switch Stroke(开关行程):	3.8mm
Full Stroke(满冲程):	6.3mm
Rated Stroke(额定冲程):	4.2mm
Spring Force(额定弹力):	14.5N(可选)

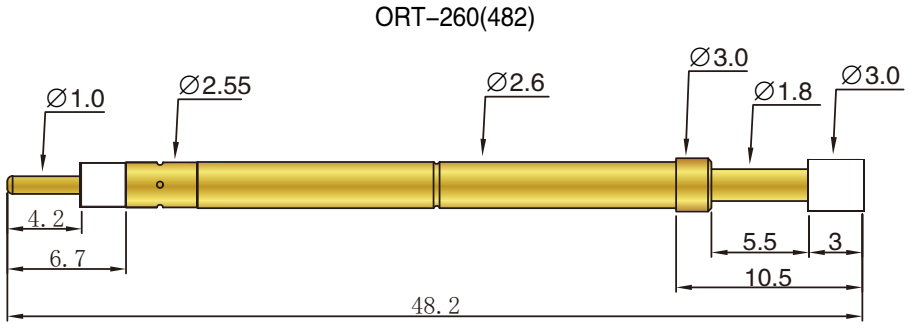
Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅3.2mm
FR4(环氧树脂):	∅3.2mm

Operating Temperature(工作温度):	
Standard(标准):	–40℃—+80℃
Special Design"C"(特殊设计):	–100℃—+200℃

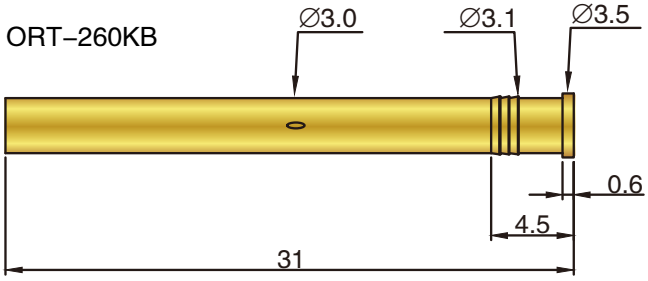
订货举例（Ordering Example）：

ORT320	B	16	300	522	14.5N	A
系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	总长 cabinet minister	弹力 Sping Force	镀层厚度 Gold Plating

安装功能和尺寸
(Mounting and Functional Dimensions):



套管 (Receptacle):



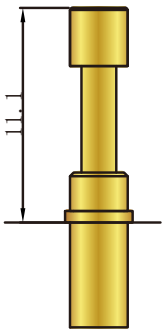
Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀镍	Brass,Ni plated
Plunger(针头):	铍铜镀金	Becu gold-plated
Spring(弹簧):	不锈钢线	SUS
Receptacle(套管):	黄铜镀镍	Brass,Ni plated

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Switch Stroke(开关行程):	2.5mm
Full Stroke(满冲程):	5.5mm
Rated Stroke(额定冲程):	4.2mm
Spring Force(额定弹力):	2.5N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	Ø3.00~3.02mm
FR4(环氧树脂):	Ø3.00~3.02mm

Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

使用介绍 (Introduction to use):

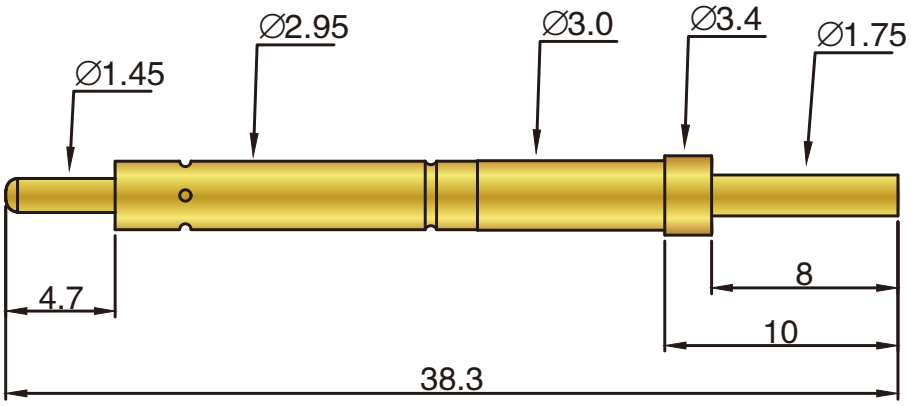


订货举例 (Ordering Example) :

ORT260	P	02	300	482	2.5N	A
系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	总长 cabinet minister	弹力 Sping Force	镀层厚度 Gold Plating

安装功能和尺寸
(Mounting and Functional Dimensions):

ORT-300(383)



Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀镍	Brass,Ni plated
Plunger(针头):	黄铜镀金	Brass gold-plated
Spring(弹簧):	不锈钢线	SUS

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Switch Stroke(开关行程):	1.5mm
Full Stroke(满冲程):	4.5mm
Rated Stroke(额定冲程):	4.0mm
Spring Force(额定弹力):	5N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅3.0mm
FR4(环氧树脂):	∅3.0mm

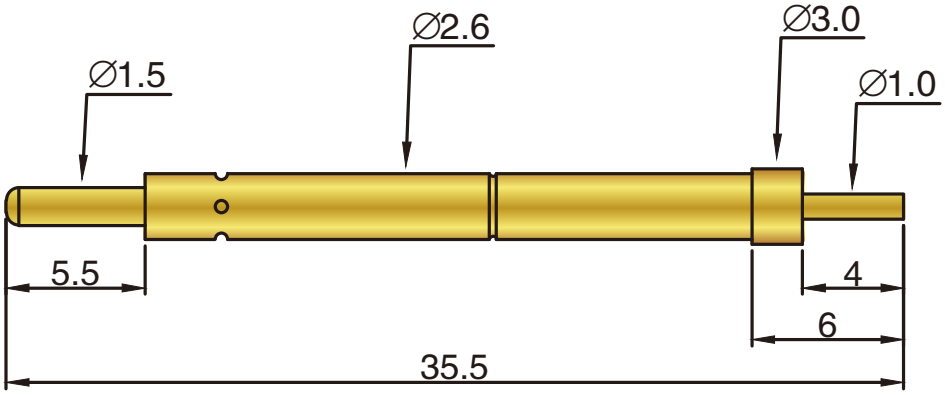
Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

订货举例（Ordering Example）：

ORT300	C	16	175	383	5N	A
系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	总长 cabinet minister	弹力 Sping Force	镀层厚度 Gold Plating

安装功能和尺寸
(Mounting and Functional Dimensions):

ORT-260(355)



Materials(Plated)(材质与镀层):		
Barrel(针管) :	黄铜镀镍	Brass,Ni plated
Plunger(针头):	黄铜镀金	Brass gold-plated
Spring(弹簧):	不锈钢线	SUS

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	5amps
Switch Stroke(开关行程):	1.5mm
Full Stroke(满冲程):	4.0mm
Rated Stroke(额定冲程):	4.0mm
Spring Force(额定弹力):	1.2N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅2.6mm
FR4(环氧树脂):	∅2.6mm

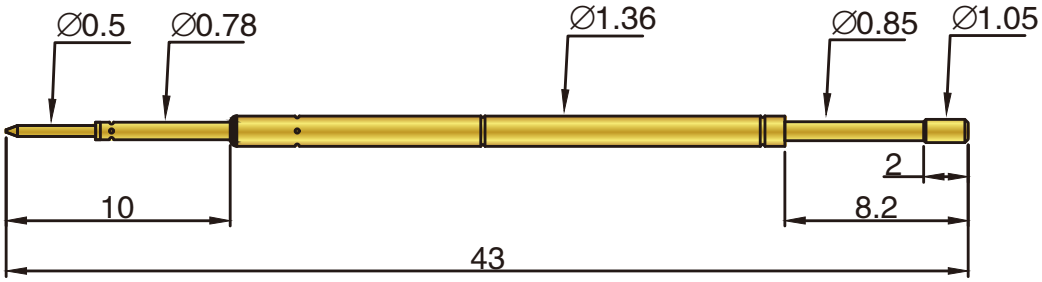
Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

订货举例（Ordering Example）：

ORT260	C	16	100	355	1.2N	A
系列 Series	头型材质 Tip(Material)	头型 Tip Style	头部直径 Tip Diameter	总长 cabinet minister	弹力 Sping Force	镀层厚度 Gold Plating

安装功能和尺寸
(Mounting and Functional Dimensions):

ORT-136(430)



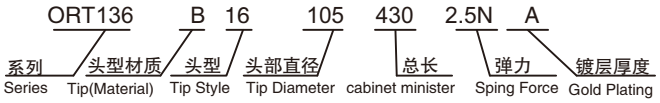
Materials(Plated)(材质与镀层):		
Barrel(针管) :	磷铜镀金	Bronze,gold-plated
Plunger(针头):	铍铜镀金	Becu gold-plated
Spring(弹簧):	不锈钢线	SUS

Mechanical/Electrical Data(机械参数/电气参数):	
Current Rating(额定电流):	3amps
Switch Stroke(开关行程):	1.5mm
Full Stroke(满冲程):	4.3mm
Rated Stroke(额定冲程):	4.2mm
Spring Force(额定弹力):	2.5N(可选)

Mounting Hole Size(钻孔尺寸):	
CEM1(有机玻璃):	∅1.38mm
FR4(环氧树脂):	∅1.38mm

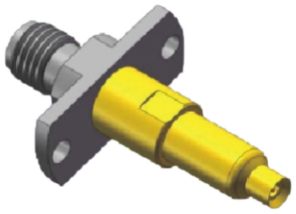
Operating Temperature(工作温度):	
Standard(标准):	-40℃—+80℃
Special Design"C"(特殊设计):	-100℃—+200℃

订货举例（Ordering Example）：

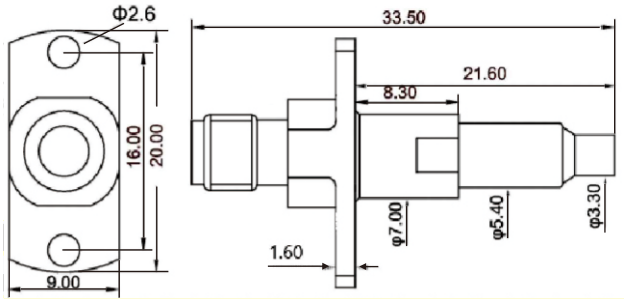


射频测试探针
RADIO FREQUENCY TEST PROBES

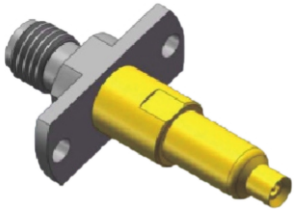
▶ ORT-RF-1033J



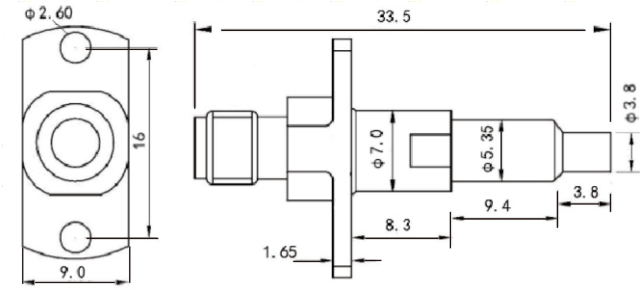
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



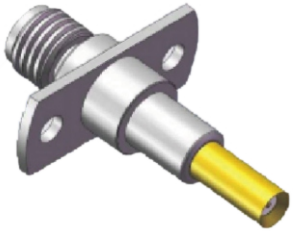
▶ ORT-RF-1038J



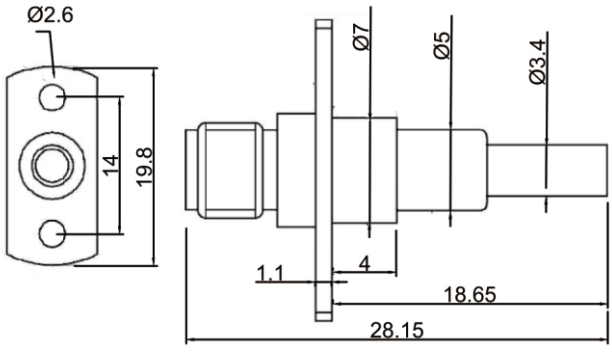
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



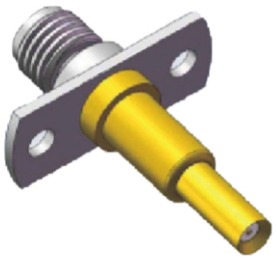
▶ ORT-RF-1437J



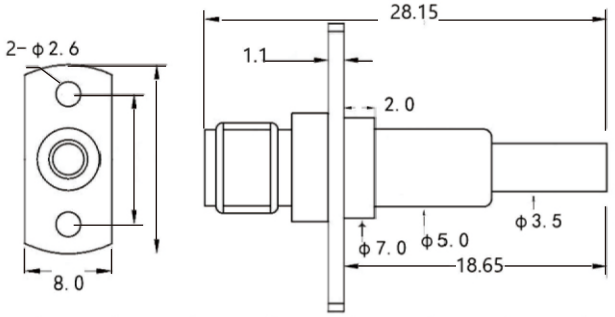
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1335J



技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



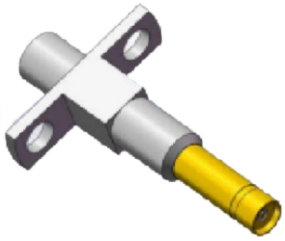
订货举例：

ORT – RF – 1033J

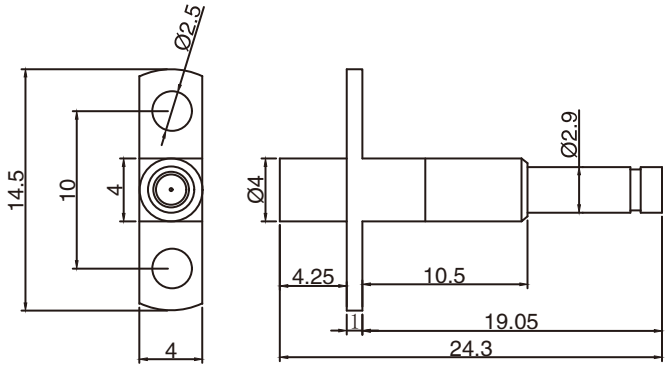
系列 Series	类型/头型 Tip(Material)

射频测试探针
RADIO FREQUENCY TEST PROBES

▶ ORT-RF-4029J

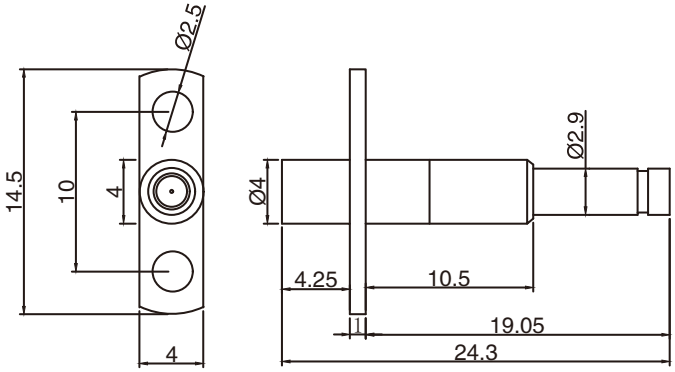


技术要求:	
材质:	磷铜，镀铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)

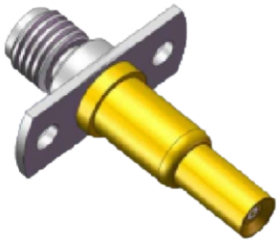


▶ ORT-RF-4129J

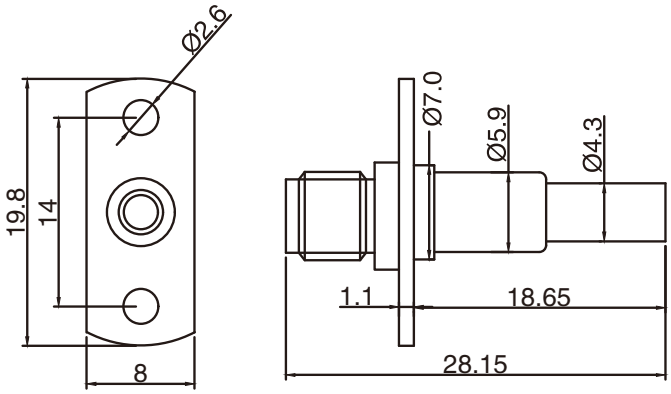
技术要求:	
材质:	磷铜，镀铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



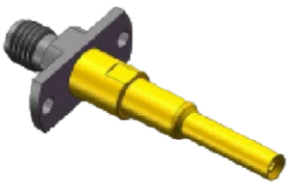
▶ ORT-RF-1343J



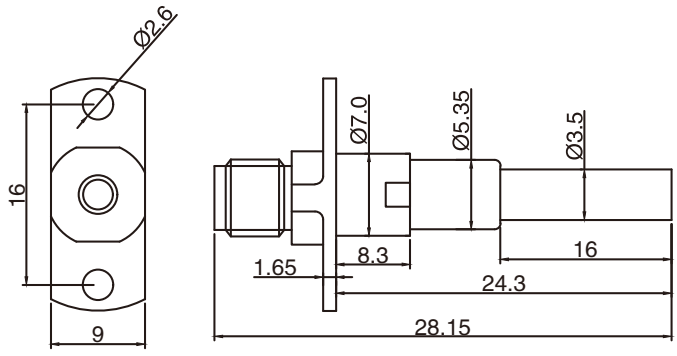
技术要求:	
材质:	磷铜，镀铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-13516



技术要求:	
材质:	磷铜，镀铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



订货举例：

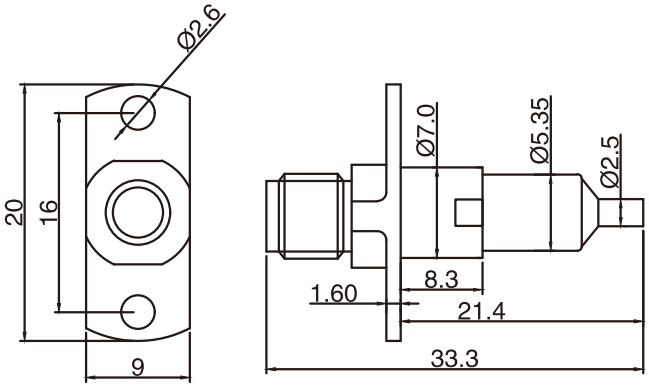
ORT – RF – 1033J

- RF：系列 Series
- 1033J：类型/头型 Tip(Material)

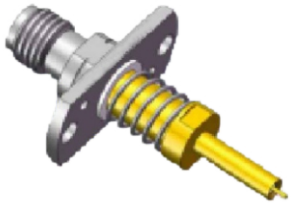
射频测试探针
RADIO FREQUENCY TEST PROBES

▶ ORT-RF-1025J

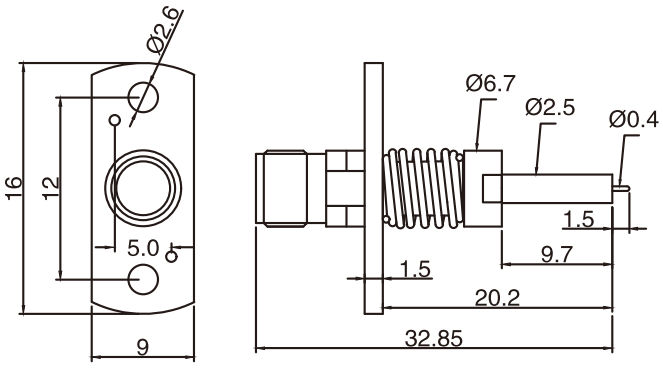
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1124J

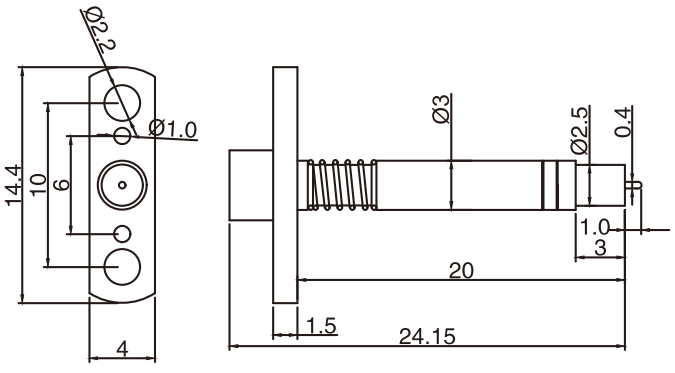


技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)

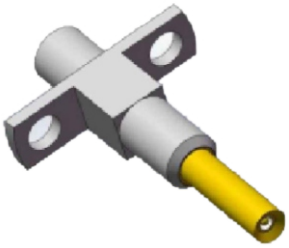


▶ ORT-RF-2025J

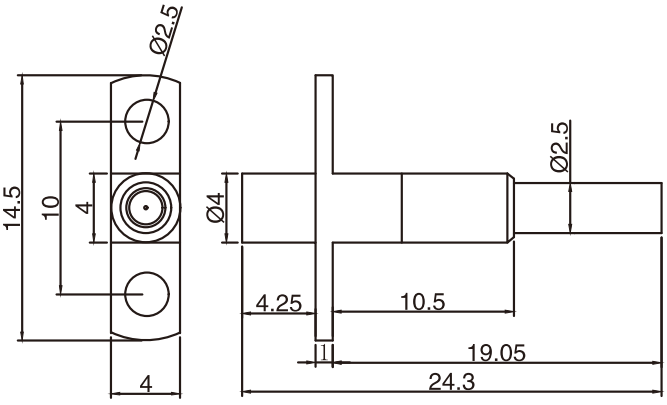
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-4025J



技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



订货举例：

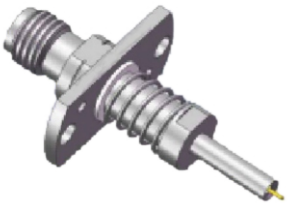
ORT – RF – 1033J

RF：系列 Series

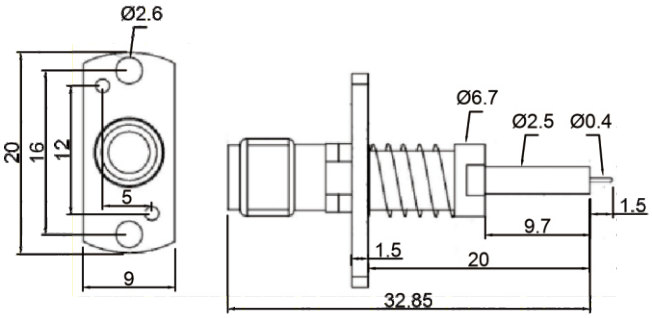
1033J：类型/头型 Tip(Material)

射频测试探针
RADIO FREQUENCY TEST PROBES

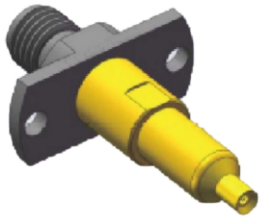
▶ ORT-RF-1125J



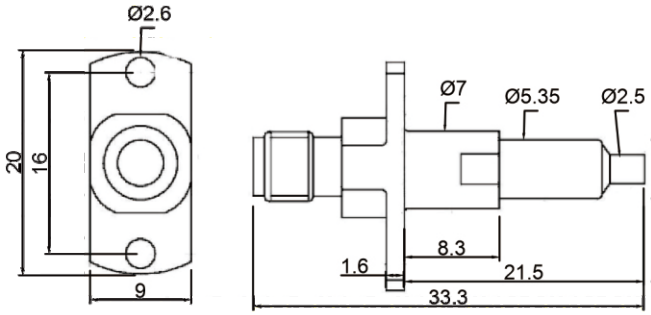
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1026J

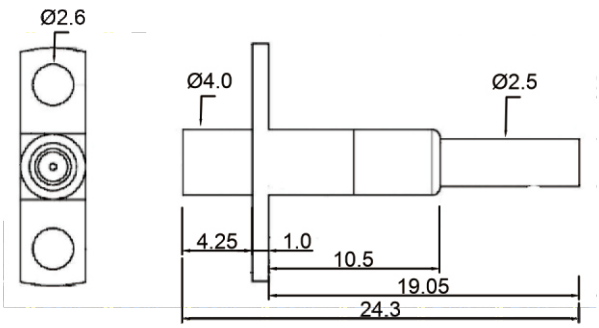


技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)

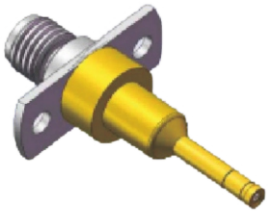


▶ ORT-RF-4125J

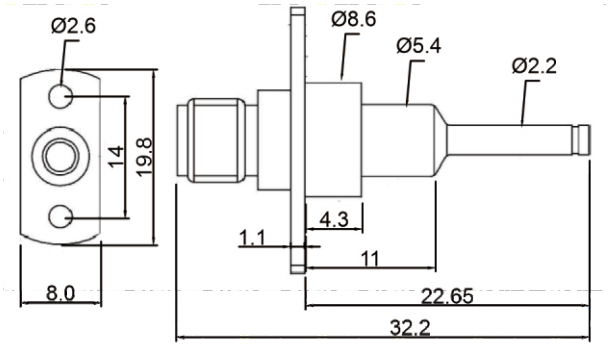
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1022J



技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



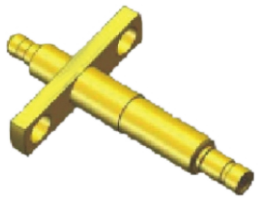
订货举例：

ORT – RF – 1033J

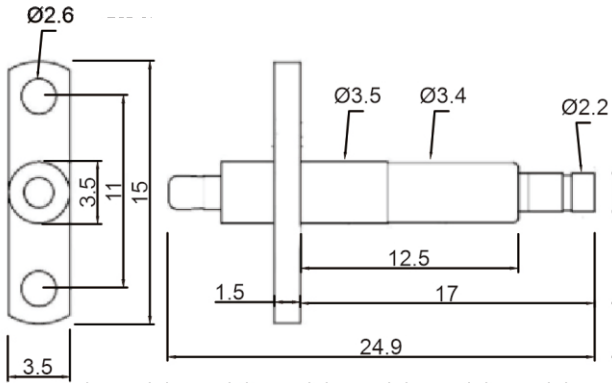
系列	类型/头型
Series	Tip(Material)

射频测试探针
RADIO FREQUENCY TEST PROBES

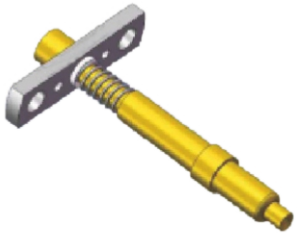
▶ ORT-RF-3022J



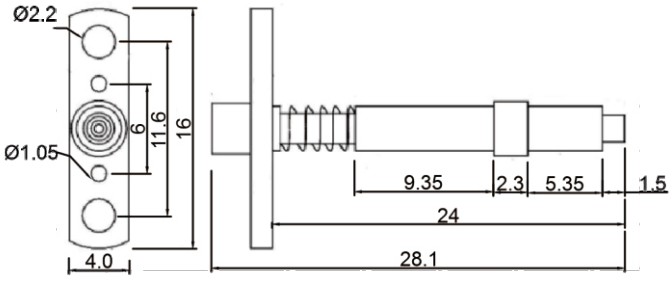
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



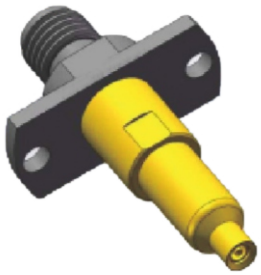
▶ ORT-RF-2018J



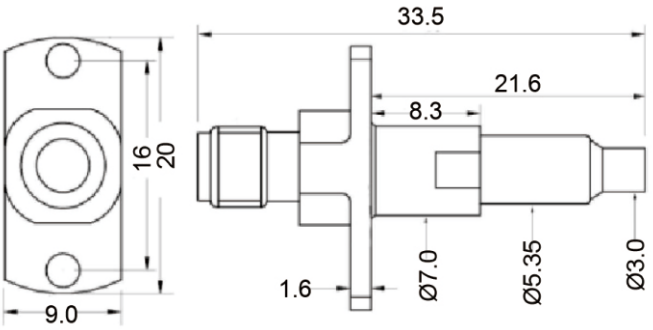
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1030A

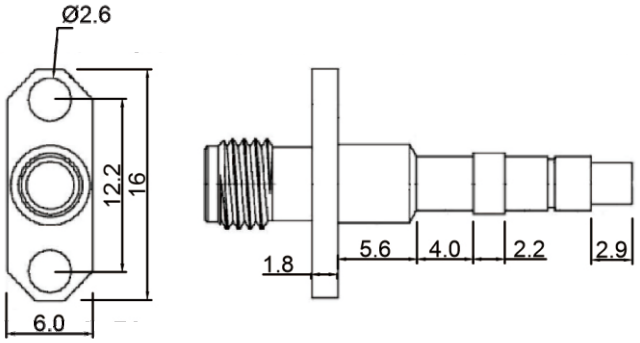


技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1629A

技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



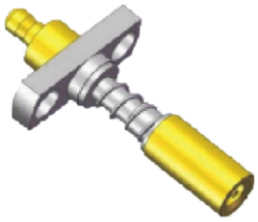
订货举例：

ORT – RF – 1033J

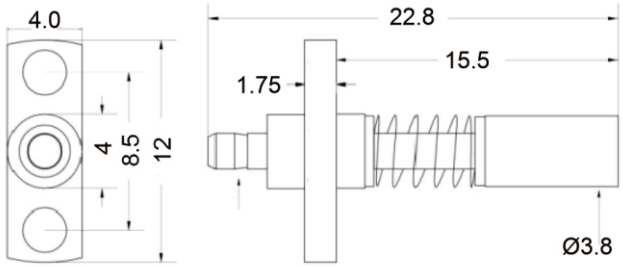
系列	类型/头型
Series	Tip(Material)

射频测试探针
RADIO FREQUENCY TEST PROBES

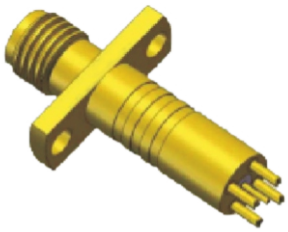
▶ ORT-RF-3034A 5N



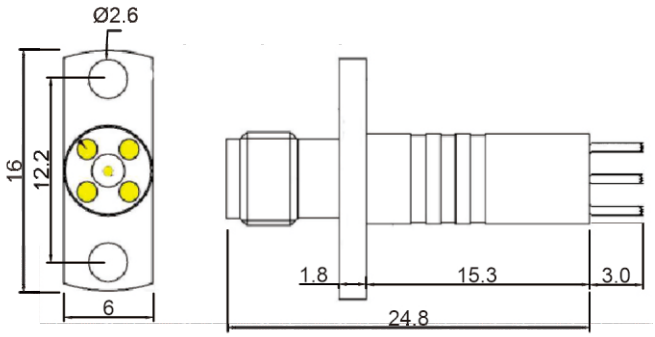
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1015C

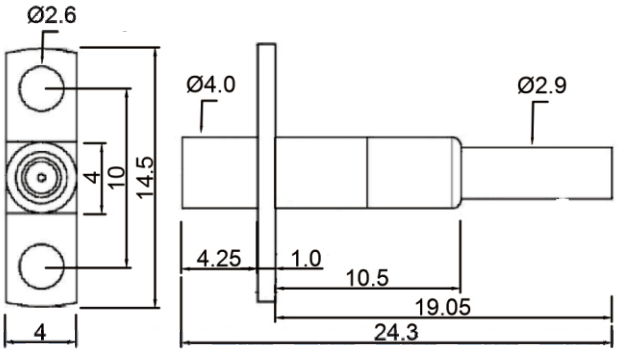


技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



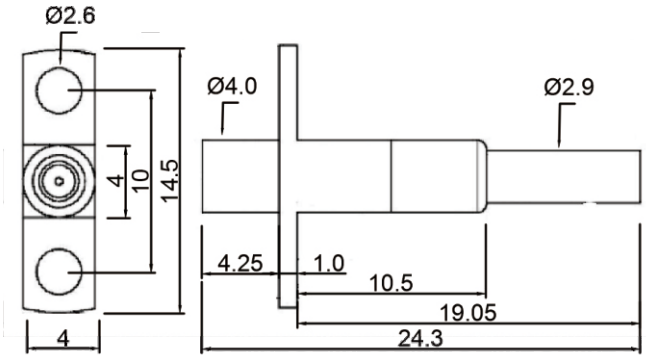
▶ ORT-RF-4129A

技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-4029A

技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



订货举例：

ORT – RF – 1033J

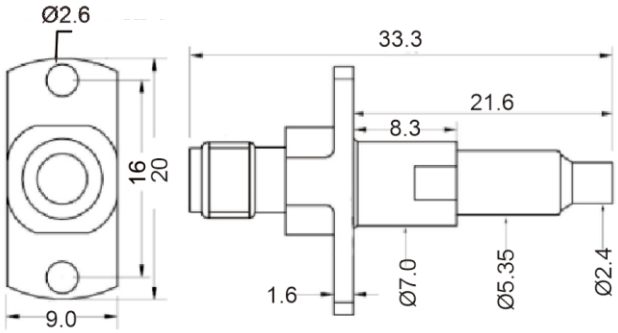
系列 Series

类型/头型 Tip(Material)

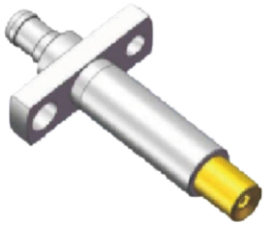
射频测试探针
RADIO FREQUENCY TEST PROBES

▶ ORT–RF–1024A

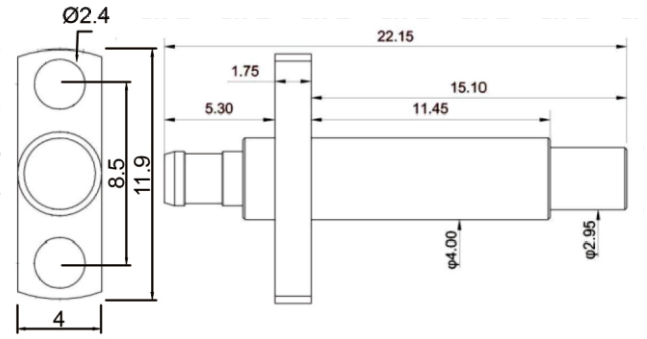
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC–6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT–RF–7029A

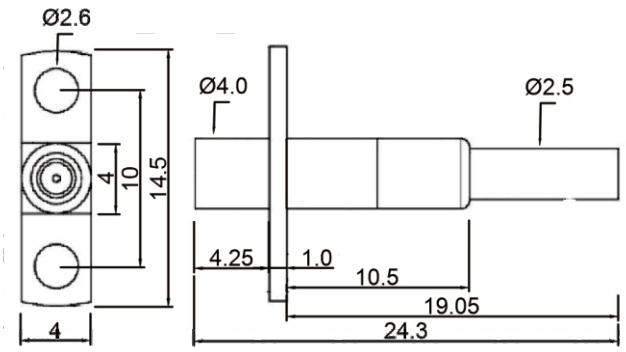


技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC–6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)

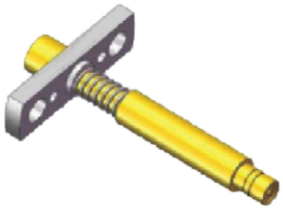


▶ ORT–RF–4125A

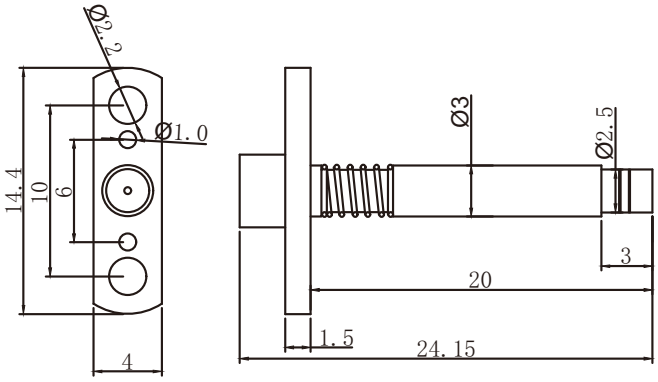
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC–6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT–RF–2022A



技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC–6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



订货举例：

ORT – RF – 1033J

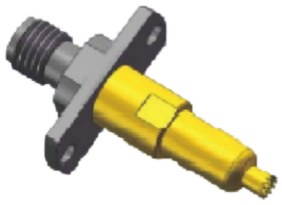
RF：系列 Series

1033J：类型/头型 Tip(Material)

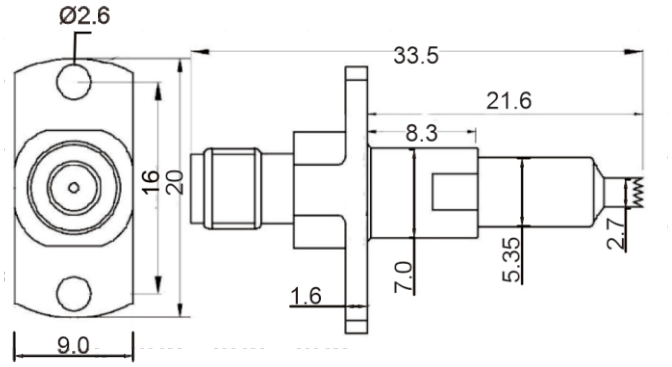
让测试更高效

射频测试探针
RADIO FREQUENCY TEST PROBES

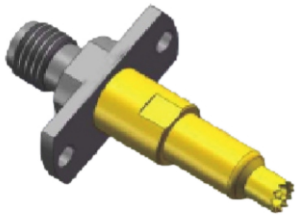
▶ ORT-RF-1027C



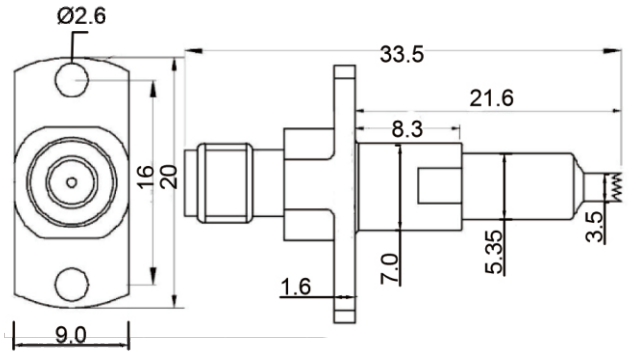
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



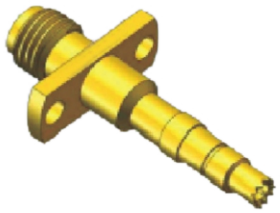
▶ ORT-RF-1035C



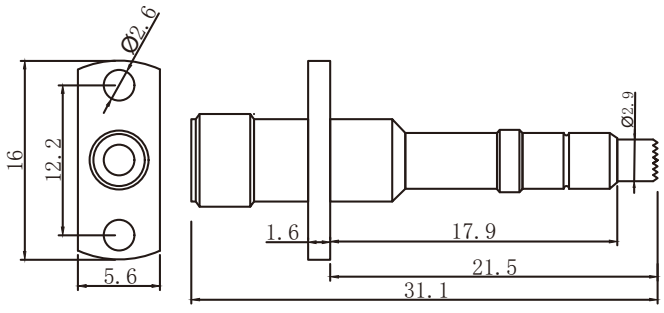
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



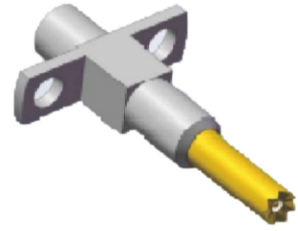
▶ ORT-RF-1629C



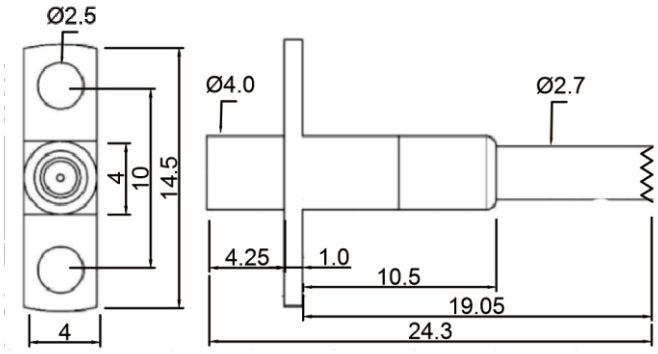
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-4027C



技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



订货举例：

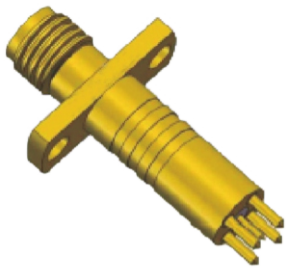
ORT – RF – 1033J

RF：系列 Series

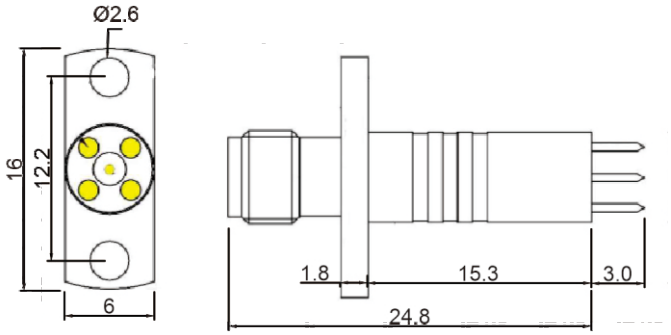
1033J：类型/头型 Tip(Material)

射频测试探针
RADIO FREQUENCY TEST PROBES

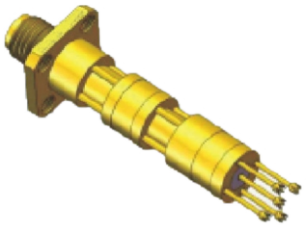
▶ ORT-RF-1015J



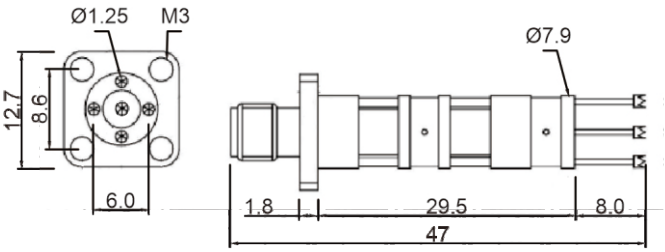
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1505C

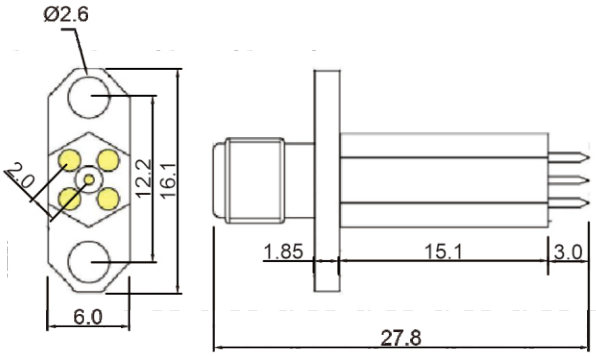


技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)

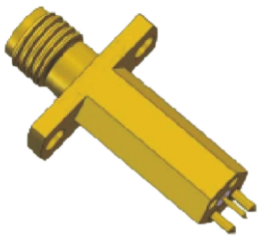


▶ ORT-RF-1605J

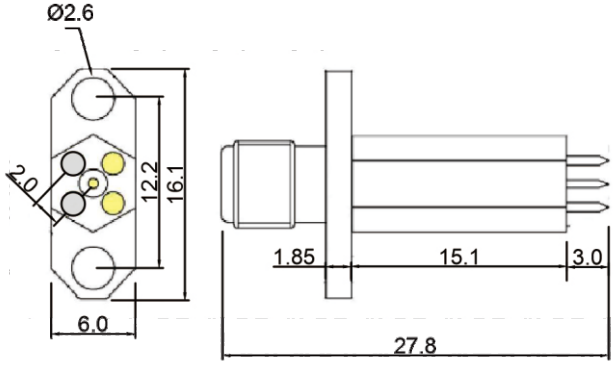
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1603J



技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



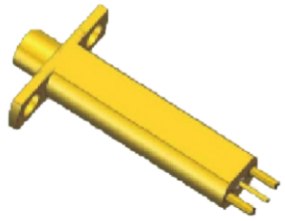
订货举例：

ORT – RF – 1033J

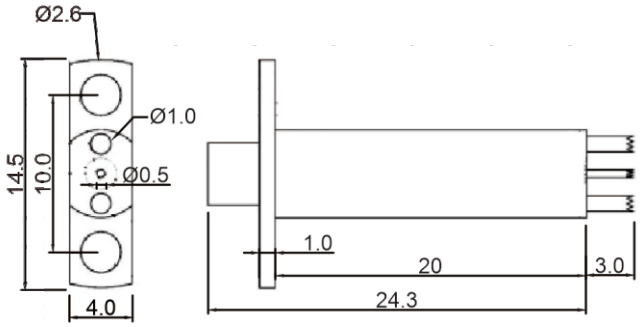
系列 Series　　类型/头型 Tip(Material)

射频测试探针
RADIO FREQUENCY TEST PROBES

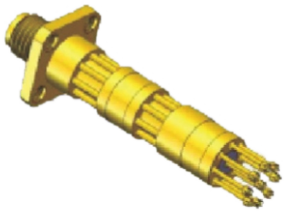
▶ ORT-RF-4003C



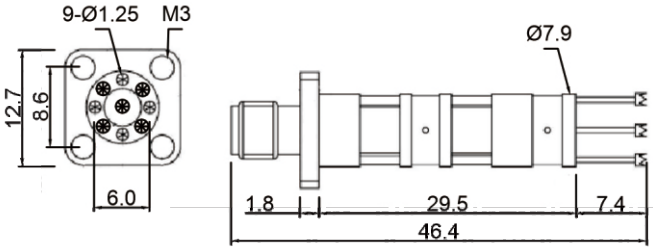
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



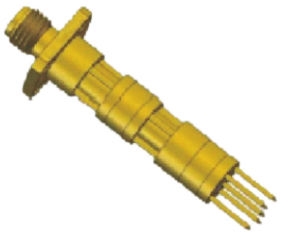
▶ ORT-RF-1509C



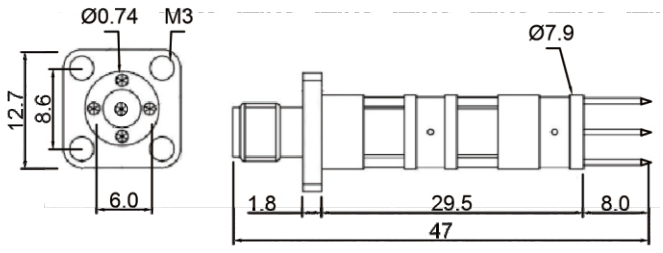
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



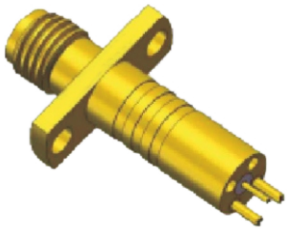
▶ ORT-RF-1505J



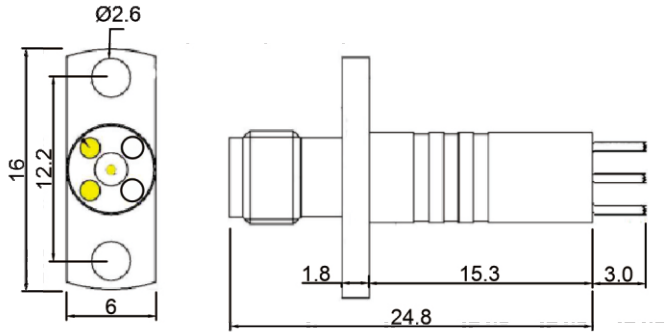
技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)



▶ ORT-RF-1013C



技术要求:	
材质:	磷铜，铍铜，聚四氟乙烯
接触电阻:	内导体 5milliohms max 外导体 5milliohms max
特性电阻:	50ohms
频率范围:	DC-6GHz
插入损耗:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)
电压驻波比:	0.05dB max.(DC to 3GHZ) 0.25dB max.(3GHZ to 6GHZ) 0.35dB max.(6GHZ to 8.5GHZ)

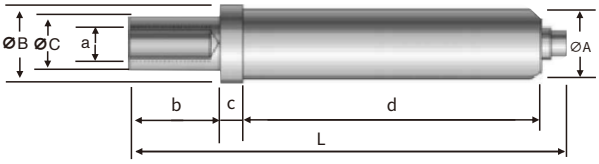


订货举例：

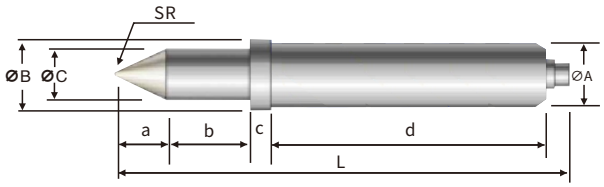
ORT – RF – 1033J

系列	类型/头型
Series	Tip(Material)

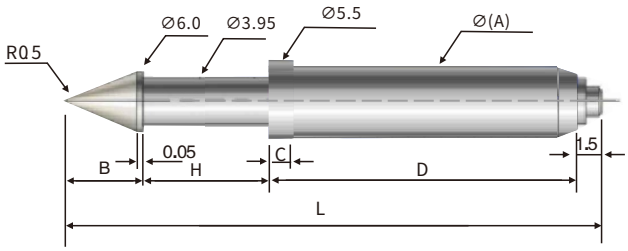
定位针（弹力柱）



规格 Spec / 型号 Type	A	B	C	a	b	c	d	L	SR	全行程弹力
GP-1T(M2)-32-2950-1.5N	3.20	3.5	2.5	M2	9.75	0.5	19.5	29.5		150g
GP-2T(M2)-50-3550-2.5N	5.0	5.5	3.95	M2	9.5	1.0	23.5	35.5		250g(350g)
GP-2T(M2.5)-50-3550-2.5N	5.0	5.5	3.95	M2.5	9.5	1.0	23.5	35.5		250g(350g)
GP-2T(M3)-50-3550-2.5N	5.0	5.5	3.95	M3	9.5	1.0	23.5	35.5		250g(350g)



规格 Spec / 型号 Type	A	B	C	a	b	c	d	L	SR	全行程弹力
GP-1S-32-2950-1.5N	3.20	3.5	2.5	2.5	7.25	0.5	19.5	32	0.25	150g
GP-1L(5900)-32-3.8N	3.20	3.5	2.5	2.5	7.25	0.5	19.5	32	0.5	380g
GP-11S-40-3550-2N	4.0	4.5	3.5	3.5	6.0	0.5	23.5	35.5	0.5	200g
GP-11L(5600)-40-1.9N	4.0	4.5	3.0	5.0	15.0	0.6	34.4	56.0	0.5	190g
GP-2S-50-3550-2.5N	5.0	5.5	4.0	4.0	6.0	0.5	23.5	35.5	0.5	250g
GP-2SS(28.5)-50-1N	5.0	5.5	4.0	4.0	6.0	0.5	23.5	35.5	0.5	100g/480g
GP-2L(5600)-50-1.9N	5.0	5.5	4.0	5.0	15	1.5	33.5	56.0	0.5	185g
GP-2L(5900)-50-3.8N	5.0	5.5	4.0	6.0	13.6	1.0	36.0	59.0	0.5	380g
GP-3S-60-3750-2.5N	6.0	6.5	5.0	5.0	5.0	0.5	24.5	37.5	0.5	250g
GP-3SS(28.5)-60-4.8N	6.0	6.5	5.0	6.0	1.0	0.5	19.5	28.5	0.5	480g
GP-3L(5900)-60-3.8N	6.0	6.5	5.0	5.0	14.0	0.5	34.5	59.0	0.8	380g
GP-4L(5900)-70-3.8N	7.0	7.5	6.0	6.0	13.6	1.0	36.0	59.0	0.5	380g
GP-5S-75-3700-2.5N	7.5	8.0	6.5	7.0	3.0	0.5	24.5	37.0	0.5	250g

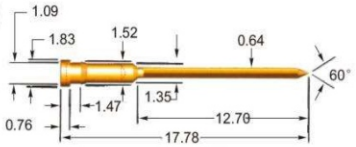


规格 Spec / 型号 Type	A	B	C	D	H	L	全行程弹力
GP184-3-48-3550-2.5N(圆头)	4.8	0	1	24.5	11	35.5	250g
GP-2-48-4400-2.5N	4.8	7.5	1	24.5	10.5	44	250g
GP-2-50-4400-2.5N	5.0	7.5	1	24.5	10.5	44	250g
GP-2-52-4400-2.5N	5.2	7.5	1	24.5	10.5	44	250g
GP-2L-50-6400-3.5N	5.0	7.5	1.5	35	20	64	350g
GP-2L-50-6200-3.5N	5.0	7.5	1.5	35	18	62	350g
GP-2L-50-5900-3.5N	5.0	7.5	1.5	35	15	59	350g

订货举例：

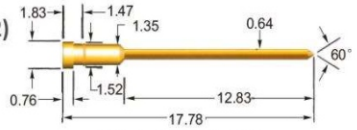
GP	2	48	4400	2.5N
系列	头型	管直径	总长度	全行程弹力

ORT-301(SIP90-3)



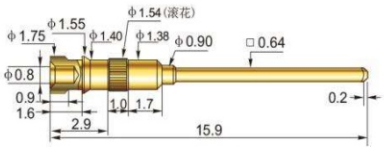
1.45mm drill 黄铜镀金

ORT-401(SIP90-2)

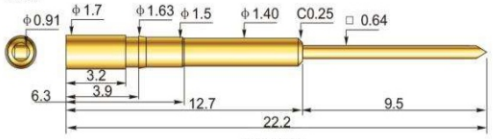


1.45mm drill 黄铜镀金

ORT-140

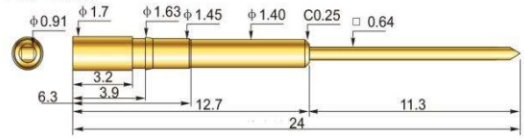


ORT-137



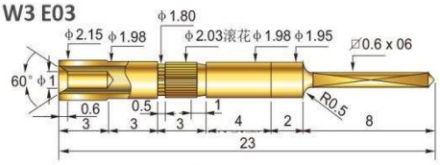
黄铜镀金

ORT-137-2400



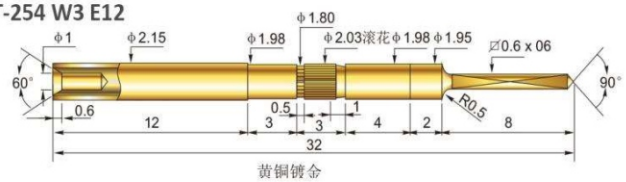
黄铜镀金

ORT-254 W3 E03



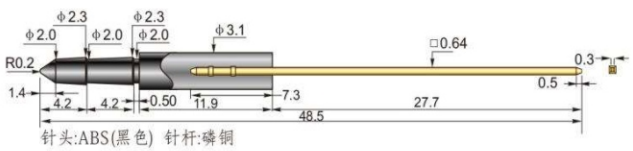
黄铜镀金

ORT-254 W3 E12



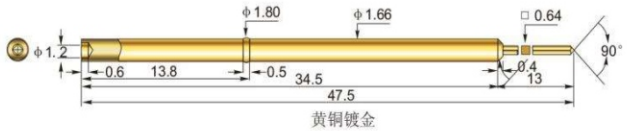
黄铜镀金

Agilent3070-0010H



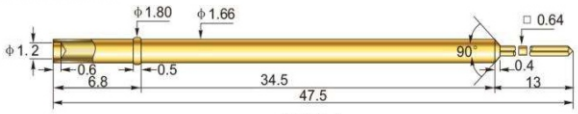
针头:ABS(黑色) 针杆:磷铜

LR166-4750



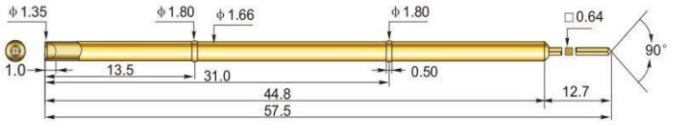
黄铜镀金

LR166-4750-680



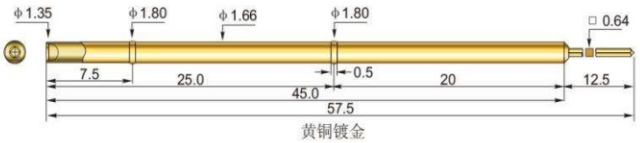
黄铜镀金

LR166-57.5-14.0



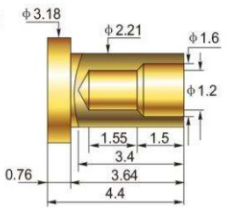
黄铜镀金

LR166-5750(2000-750)



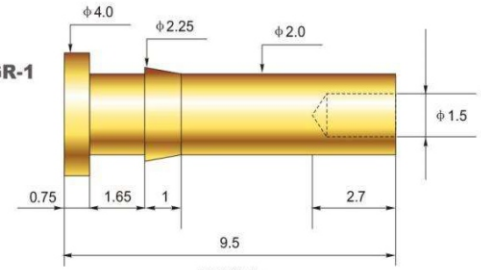
黄铜镀金

GR-2(0.2um)



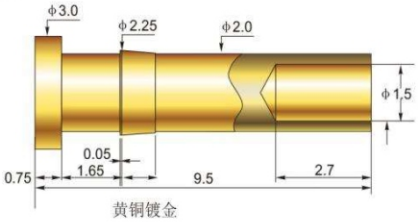
黄铜镀金

GR-1



黄铜镀金

GR-1(3.0)



黄铜镀金

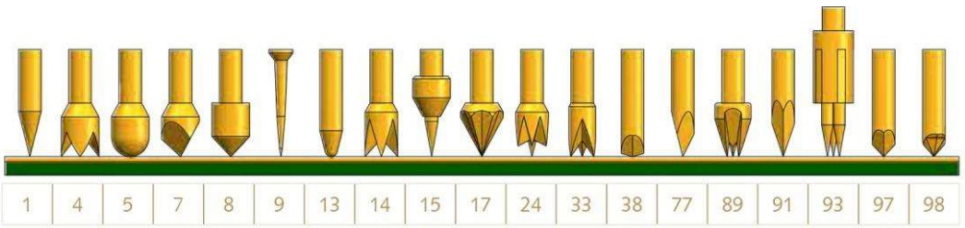
最佳针头形状的选择

在选择测试探针的时候，选择合适的针头形状是最重要的一点。许多针头形状可用于多种应用用途。可以根据测试点(例如:平面、通孔、销钉或柱状)的几何形状进行基本分类。此外,还可以根据测试点的大小、表面状态 (氧化程度、焊接过后残留物的多少) 对测试点进行区分。

根据待测物以及测试条件，可能需要尝试多种针头形状和弹簧力，以确保能够找到最佳的组合。

平面

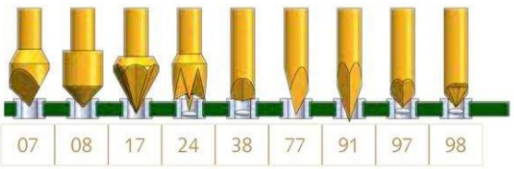
搭接PCB上的平面测试点。为了安全的穿透OSP或者脏污表面（焊接过程产生的残留物），建议使用穿透性好并具有自洁功能的针头形状（例如：针头形状91，匕首形状）.钝型针头形状用于干净的表面，并可以避免刺伤表面（例如：针头形状05，子弹头型）。提示：为了避免损坏多层印刷电路板，需注意外层中针头形状的穿透深度（特别是当穿透力好的针头和高弹簧力组合使用时）。



常用针头形状的选择

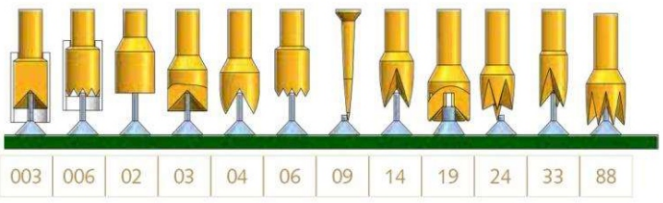
通孔

可以通过用针头的边缘去接触通孔内环四周表面，或者通过针头尖端接触通孔底部进行搭接



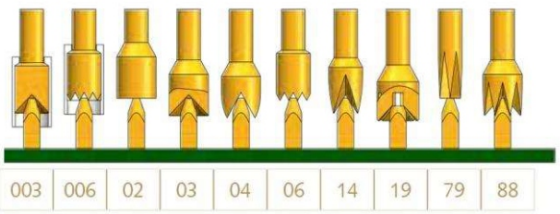
销钉

如果是销钉和元件引脚，则建议使用可自定心式的锥形针头。同样，可使用扁平、突出或外部绝缘的针头形状。



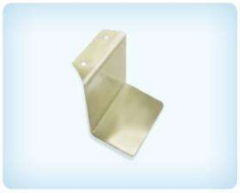
柱状、螺钉和螺栓

和销钉类似，此处也可以使用自定心型针头形状。



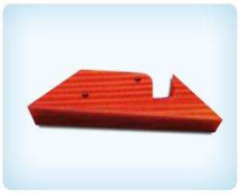
工装治具配件

扇形齿轮

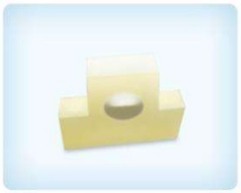

齿轮保护块

分层块

圆 球


挂钩

蜗牛弹簧


固定座

快速夹手

支撑杆

活动提手

弯提手KW100

提手K105

箱包扣（S）

箱包扣（M）

箱包扣（L）

气弹簧

合页

碰珠

脚垫

机架扣

机架扣(S)

机架扣(L)

定位片(L)

定位片（S）

定位片（S）

弹力柱

销钉

GP-1

ICT治具配件

轴承套

Φ8轴承

Φ6轴承

Φ6导杆

Φ6带环导杆

挡块

保护板弹簧

M3-400压棒头

菲林胶片（30M×0.96M)

Φ10蓝色压棒

100芯排插

100P前挡板

CNC加长钻头

鱼夹

香蕉插

工具及其它测试配件

香蕉插

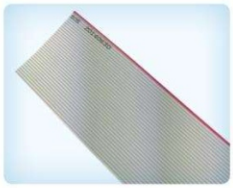
绕线枪咀、套

1000FT OK线

复位开关

50/75/100mil进退套器

34/64芯牛角


34/64芯排线

过锡炉配件及PCB光板测试夹具配件

压扣

弹片

六角铁柱

导电胶

气缸

1.ICT探针(ICT series Probes) 一般直径在2.54mm–1.27mm之间， 有业内的标准称呼100mil,75mil,50mil,还有更特别的直径只有0.19mm,主要用于在线电路测试和功能测试，也称ICT测试和FCT测试，也是目应用较多的一种探针。

2.PCB探针(pcb Probes) 探针主要是根据线路板（PCB）板的中心距和被测点的形状而定的，PCB板上所要测试的点与点之间越近，选用探针的外径也就越细。

3.微型探针(MicroSeries Probes)两个测试点中心间距一般为0.25mm至0.76mm。

4.开关探针(Switch Probes)开关探针单独一支探针有两路电流。

5.高频探针（Coaxial Probes) 用于测试高频信号， 有带屏蔽圈的可测试10GHz以内的和500MHz不带屏蔽圈的。

6.旋转探针(Rotator Probes)弹力一般不高,因为其穿透性本来就很强，一般用于OSP处理过的PCBA测试。

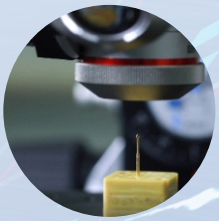
7.高电流探针（High Current Probes) 探针直径在2.54mm–4.75mm之间. 最大的测试电流可达39amps。

8.电池接触探针 (Battery and Connector Contacts) 一般用于优化接触效果，稳定性好和寿命长

9.汽车线束测试测试探针 专业用于汽车线束通断检测，直径在1.0–3.5mm之间，电流在3–––50A。

1.ICT probe (ICT series Probes) generally diameter between 2.54mm–1.27mm,the industry standard name 100mil, 75mil, 50mil, and a more special diameter of only 0.19mm, mainly used for online circuit testing and functional testing. Also known as the ICT test and the FCT test. It is also a probe with more eye applications.

2. The PCB probe (pcb Probes) probe is mainly based on the center distance of the circuit board (PCB) plate and the shape of the measured point on the P C B board, the closer to the point, the thinner the outer diameter of the selected probe.



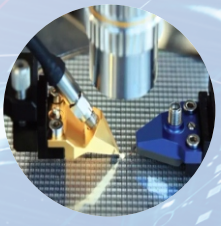
3.The center spacing between the two test points of the microprobe (MicroSeries Probes) is generally 0.25mm to 0.76mm.

4. Switch probe (Switch Probes) Switch probe has two currents in one single probe.

5. High frequency probe (Coaxial Probes) is used to test high frequency signals, with shielding rings that can be tested within 10GHz and 500MHz without shielding rings.

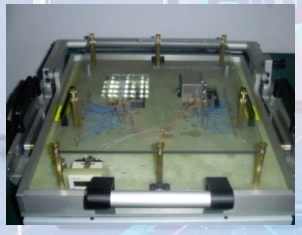
6. Rotary probe (Rotator Probes) elasticity is generally not high, because its penetration is already very strong, and it is generally used for OSP–treatedPCBA tests.

7. High current probe (High Current Probes) probe diameter is between 2.54mm–4.75mm.The maximum test current reaches 39amps.



8. Battery contact probe (Battery and Connector Contacts) is generally used to optimize the contact effect, with good stability and long life.

9. Automotive wire harness test test probe is professionally used in automotive harness fault detection, diameter between 1.0––3.5mmcurrent in 3–––50A



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