

IPEX-PCB 板-113 黑-L42MM

DESCRIPTION	VALUE
Frequency range	850-900/1800-1900MHz
Impedance	50
Radiation	Omni-directional
Polarization	Linear Vertical
Radiating element	1/4Wave Helical
VSWR	
Admitted power	1W
Connector	IPEX
Operating temp	-10 ~+60
Storage temp	-10 ~+70

1. 适用范围:

Scope

本规格书制定了 50Ω FEP 绝缘射频电缆 YD113 系列的结构和电气特性.

This specification covers the construction and the electrical properties of YD113 series of 50Ω FEP Insulation Coaxial Cable.

2. 结构/Construction:

单位/Unit:mm

项目/Item		详细资料/Details
导体/Conductor	材料/Material	镀银铜线 /Silver-coated Copper Wire
	构成(根/mm) Composition(No./mm)	7/0.080
	标称直径/Nom.O.D(mm)	0.24±0.03
绝缘层 /Insulation	材料/Material	聚全氟乙丙烯 (自然色) /FEP(Natural)
	标称绝缘厚度/Nom.Thick(mm)	0.22
	标称外径/Nom.O.D(mm)	0.68±0.03
屏蔽层/Shield	材料/Material	镀银铜线/ Silver-coated annealed copper wire
	构成/Composition	0.05 单线编织/Single Braid of 0.05
护套/Jacket	材料/Material	聚全氟乙丙烯/FEP
	标称护套厚度/Nom.Thick(mm)	0.10
	标称外径/Nom.O.D(mm)	1.13±0.05
	颜色/Color	按与客户确认的颜色/According to corresponding have approved by the suppliers and customers

3. 电气特性(20°C时)/Electrical Properties(at 20°C)

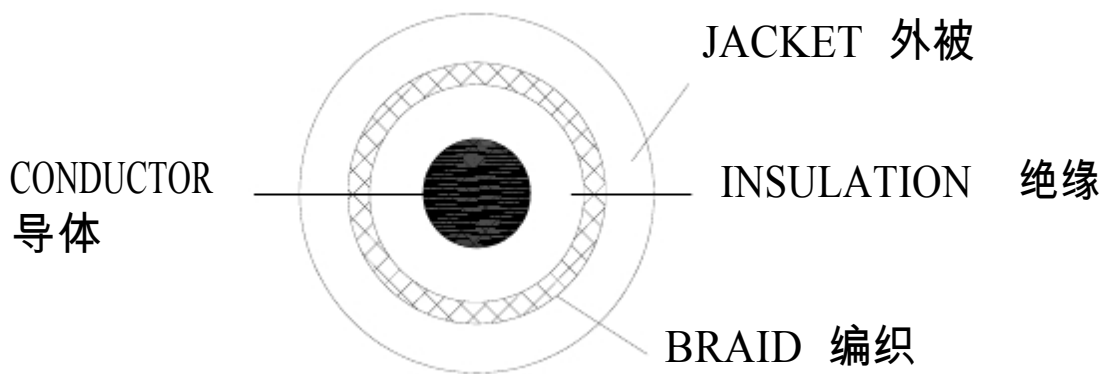
项目/Item	单位/Unit	详细资料/Details	
导体电阻/Conductor Resistance	Ω/km	Max.581	
绝缘电阻/Insulation Resistance	MΩ.km	Min.200	
耐压强度/Dielectric Strength	V(AC)/min	1000	
静电容/Capacitance	pF/m	105	
特性阻抗 /Characteristic Impedance	Ω	50±2.0	
衰减/Attenuation	dB/m	1GHz	2.20

	2GHz	3.10
	3GHz	3.90
	4GHz	4.50
	5GHz	5.00
	6GHz	5.50
驻波比/Standing wave(0-6GHz)	/	≤1.35

4. 包装 Packing

标准单位包装长度为 1000 米/盘,每盘最多允许 5 个接头,接头最短长度 20 米,在搬运过程中不能损坏包装.

Standard unit length of finished cable shall be 1000m on reel, frequency of joint max.5/reel, the mini length is 20m. The finished cable shall be packed not be damaged during transportation



本产品有时不适合车载用途的情况也有,所以使用前请先和本公司业务部门进行商谈.

This product is not suitable for automobile application in some cases Please contact with our sales department before you use this product.

规格书完

End of specification

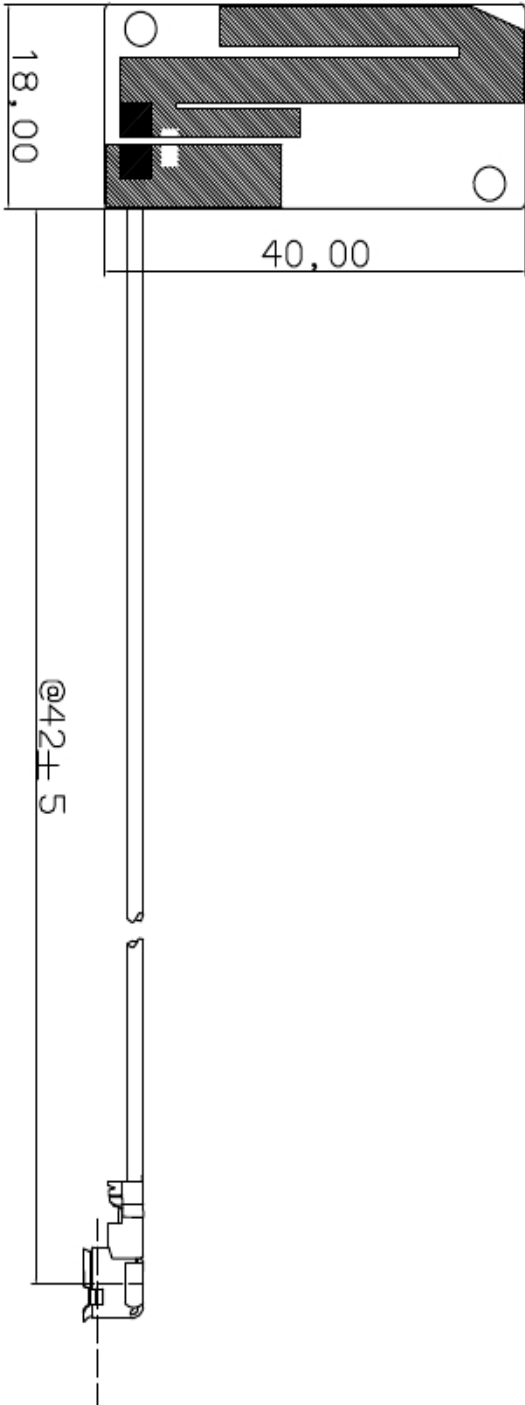
RoHS Compliant

A B C D E

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REV	DATE	DESCRIPTION	ECN NO.	NAME
01	2014.05.05	新订图面		张海彬

END PRODUCT DRAWING 成品图



- 备注:
1. 成品须100%全检OK.
 2. 采用环保制程. 成品符合ROHS要求.
 3. 标注@部分为重点管控尺寸.

No.	PART No.	Description	Qty	Name
④				
③	1601-****	PCB Antenna(40*18*)	1	PCB
②	1113-0004	20278-112R-13-插头	1	IPEX
①	1301-0009	1.13黑-48-锡-FEP	1	线材

公差	公差	公差	公差
100-200 ± 3.00	200-300 ± 2.00	300-400 ± 2.00	400-500 ± 2.00
500-600 ± 3.00	600-700 ± 3.00	700-800 ± 3.00	800-900 ± 3.00
900-1000 ± 3.00	1000-1100 ± 3.00	1100-1200 ± 3.00	1200-1300 ± 3.00
1300-1400 ± 3.00	1400-1500 ± 3.00	1500-1600 ± 3.00	1600-1700 ± 3.00
1700-1800 ± 3.00	1800-1900 ± 3.00	1900-2000 ± 3.00	2000-2100 ± 3.00
2100-2200 ± 3.00	2200-2300 ± 3.00	2300-2400 ± 3.00	2400-2500 ± 3.00
2500-2600 ± 3.00	2600-2700 ± 3.00	2700-2800 ± 3.00	2800-2900 ± 3.00
2900-3000 ± 3.00	3000-3100 ± 3.00	3100-3200 ± 3.00	3200-3300 ± 3.00
3300-3400 ± 3.00	3400-3500 ± 3.00	3500-3600 ± 3.00	3600-3700 ± 3.00
3700-3800 ± 3.00	3800-3900 ± 3.00	3900-4000 ± 3.00	4000-4100 ± 3.00
4100-4200 ± 3.00	4200-4300 ± 3.00	4300-4400 ± 3.00	4400-4500 ± 3.00
4500-4600 ± 3.00	4600-4700 ± 3.00	4700-4800 ± 3.00	4800-4900 ± 3.00
4900-5000 ± 3.00	5000-5100 ± 3.00	5100-5200 ± 3.00	5200-5300 ± 3.00
5300-5400 ± 3.00	5400-5500 ± 3.00	5500-5600 ± 3.00	5600-5700 ± 3.00
5700-5800 ± 3.00	5800-5900 ± 3.00	5900-6000 ± 3.00	6000-6100 ± 3.00
6100-6200 ± 3.00	6200-6300 ± 3.00	6300-6400 ± 3.00	6400-6500 ± 3.00
6500-6600 ± 3.00	6600-6700 ± 3.00	6700-6800 ± 3.00	6800-6900 ± 3.00
6900-7000 ± 3.00	7000-7100 ± 3.00	7100-7200 ± 3.00	7200-7300 ± 3.00
7300-7400 ± 3.00	7400-7500 ± 3.00	7500-7600 ± 3.00	7600-7700 ± 3.00
7700-7800 ± 3.00	7800-7900 ± 3.00	7900-8000 ± 3.00	8000-8100 ± 3.00
8100-8200 ± 3.00	8200-8300 ± 3.00	8300-8400 ± 3.00	8400-8500 ± 3.00
8500-8600 ± 3.00	8600-8700 ± 3.00	8700-8800 ± 3.00	8800-8900 ± 3.00
8900-9000 ± 3.00	9000-9100 ± 3.00	9100-9200 ± 3.00	9200-9300 ± 3.00
9300-9400 ± 3.00	9400-9500 ± 3.00	9500-9600 ± 3.00	9600-9700 ± 3.00
9700-9800 ± 3.00	9800-9900 ± 3.00	9900-10000 ± 3.00	

表单编号: FYX/E-QR-14A 版本: 第一版