

REV/版本	DESCRIPTION/变更内容	DATE/日期	DRAWN BY/绘图

1. Product main performance/产品主要性能指标:
 Operating Temperature/工作温度 : -55°C~125°C
 Humidity(max)/最大潮湿 : <=95% [at 60 deg C / 140 F]
 Shielding /屏蔽性能 : 75dB(10MHz) 40dB(1GHz)
 Salt Spray Corrosion/盐雾 : 96hr
 P op (max)/最大环境压力 : 60 bar (870 psi)

Mechanical data/机械特性:
 Vibration/振动 : 15g[10Hz~2000Hz]
 Shock Resistance/冲击 : 300g[3ms]
 Endurance (Shell)/机械寿命 : 2000次

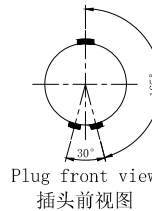
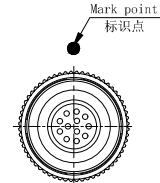
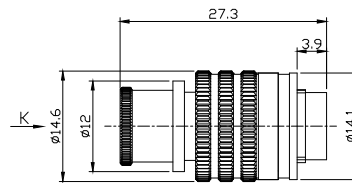
2. 电气性能

Insert Configuration/针芯配置:1M.312 12Low Voltage
 Pin Size/接触件直径:Ø0.5mm
 Contact resistance接触电阻:≤15mΩ
 Insulation resistance/绝缘电阻:5000MΩ (测试电压500V(DC))
 Withstand voltage/耐电压:750V(AC)
 Rated working current额定工作电流:2.0A

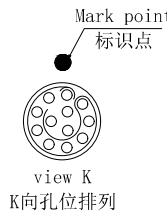
Other Specification/其它规格:

Contact PIN/接触体 : Gold plated Tin bronze/锡青铜镀金
 Housing Material/外壳材质 : Gun color plated aluminium /铝合金镀枪色
 Other metal spare parts/其余金属件 : Nickel plated brass/铜镀镍
 Glue filling type/灌胶类型: White silica gel/白色硅胶
 Insulator material/绝缘材料: PPS
 IP Rating/防护等级 : IP68(头座配合)

*ALL MATERIALS ARE RoHS COMPLIANT/所有材料均符合RoHS要求.



Plug front view
插头前视图



view K
K向孔位排列

A

A

B

B

C

C

D

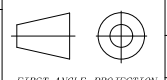
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DRAWN BY:
绘图: P003 2024. 05. 28
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GENERAL TOLERANCE
 (UNLESS SPECIFIED)
 ≤10 ±0.1
 <10~≤20 ±0.15
 <20~≤50 ±0.3
 Angle ±1°



FIRST ANGLE PROJECTION

单位
UNIT: mm
 比例
SCALE: 1: 1
 型号
SIZE: A4

名称
PART NAME
 TGA-1M直式插头
 TGA-1M Straight Plug

REV/版本
A1

SHEET: 1 OF 1

型号
PART NAME
 TGA. 1M. 312. XLA