

1. Product main performance/产品主要性能指标:

Operating Temperature/工作温度 : -55℃~150℃  
 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

Mechanical data/机械特性:

Vibration/振动 : 15g[10Hz~2000Hz]  
 Shock Resistance/冲击 : 100g[6ms]  
 Endurance (Shell)/机械寿命 : 5000+  
 Cable/配接电缆: Ø4.1mm-Ø5.0mm

2. 电气性能

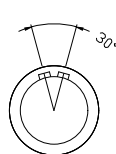
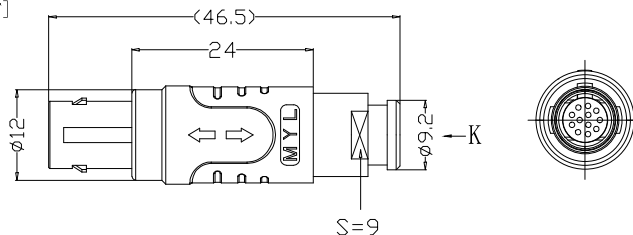
Insert Configuration/针芯配置:1BP.312 12Low Voltage  
 Pin Size/接触件直径:Ø0.5mm  
 Contact resistance接触电阻:≤15mΩ  
 Insulation resistance/绝缘电阻:5000MΩ (测试电压500V(DC))  
 Withstand voltage/耐电压:750V(AC)  
 Rated working current额定工作电流:2.0A

Other Specification/其它规格:

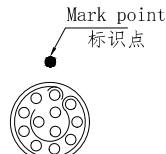
Contact PIN/接触体 : Gold plated Tin bronze/锡青铜镀金  
 Housing Material/外壳材质 : PEEK  
 Other Shell Material/其它壳体材质: 铜镀镍  
 Insulator material/绝缘体材料: PPS  
 IP Rating/防护等级 : IP50

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

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



Plug front view  
插头前视图



view K  
K向孔位排列

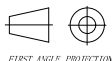
DRAWN BY: 绘图: P003 2024. 05. 28  
 CHECKED BY: 审核: Z01 2024. 05. 28  
 APPROVED BY: 核准: P003 2024. 05. 28



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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

SIZE: A4

REV/版本 A1

SHEET: 1 OF 1

名称 PART NAME

型号 PART NAME

TG-1BP直式插头(带护套式尾帽)  
 TG-1BP Straight Plug  
 (with jacketed tail cap)

TGA. 1BP. 312. KWLAD52Z