

# 1. Product main performance/产品主要性能指标:

Operating Temperature/工作温度 : -55°C~150°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

## 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:  $\phi$ 6.1mm- $\phi$ 7.0mm

## 2. 电气性能

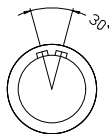
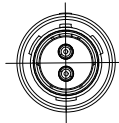
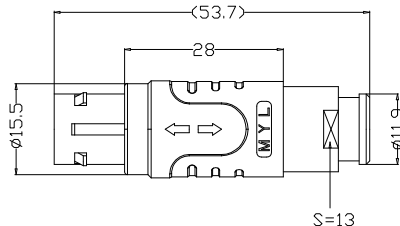
Insert Configuration/针芯配置: 2BP. 302 2Low Voltage  
 Pin Size/接触件直径:  $\phi$ 2.0mm  
 Contact resistance接触电阻:  $\leq$ 3.5m $\Omega$   
 Insulation resistance/绝缘电阻: 5000M $\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压: 2100V(AC)  
 Rated working current额定工作电流: 30.0A

## Other Specification/其它规格:

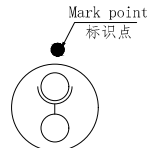
Contact PIN/接触体 : Gold plated Tin bronze/锡青铜镀金  
 Housing Material/外壳材质 : PEEK  
 Other Shell Material/其它壳体材质 : 铜镀镍  
 Insulator material/绝缘体材料: PPS  
 IP Rating/防护等级 : IP50

\*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



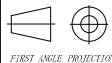
view K  
K向孔位排列

|                          |            |
|--------------------------|------------|
| DRAWN BY:<br>绘图: P003    | 2024.05.28 |
| CHECKED BY:<br>审核: Z01   | 2024.05.28 |
| APPROVED BY:<br>核准: P005 | 2024.05.28 |



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|   |   |
|---|---|
| GENERAL TOLERANCE<br>(UNLESS SPECIFIED) | 单位<br>UNIT: mm<br>比例<br>SCALE: 1: 1<br>名称<br>PART NAME<br>型号<br>PART NAME |
| $\leq 10$ $\pm 0.1$                     | TG-2BP 直式插头 (带护套式尾帽)<br>TG-2BP Straight Plug<br>(with jacketed tail cap)  |
| $< 10 \sim \leq 20$ $\pm 0.15$          | 型号<br>TGA. 2BP. 302. KWLAD72Z   |
| $< 20 \sim \leq 50$ $\pm 0.3$           |   |
| Angle $\pm 1^\circ$                     |   |



FIRST ANGLE PROJECTION

|        |    |               |
|--------|----|---------------|
| REV/版本 | A1 | SHEET: 1 OF 1 |
|--------|----|---------------|