

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:  $\phi 4.1\text{mm}-\phi 5.0\text{mm}$

2. 电气性能

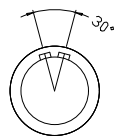
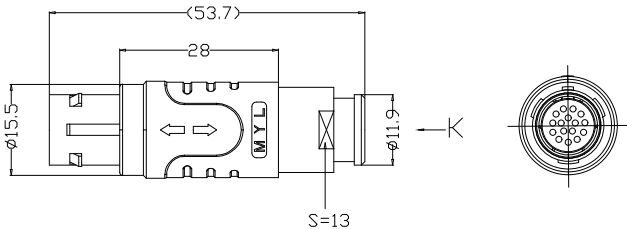
Insert Configuration/针芯配置:2BP.316 16Low Voltage  
 Pin Size/接触件直径: $\phi 0.7\text{mm}$   
 Contact resistance接触电阻: $\leq 12.5\text{m}\Omega$   
 Insulation resistance/绝缘电阻:5000M $\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压:950V(AC)  
 Rated working current额定工作电流:6.0A

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: 铜镀银  
 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/版本号 | DESCRIPTION/描述内容 | DATE/日期 | DRAWN BY/制图 |
|---------|------------------|---------|-------------|



Plug front view  
插头前视图



view K  
K向孔位排列

|                         |            |
|-------------------------|------------|
| DRAWN BY:<br>绘图:PD03    | 2024.05.28 |
| CHECKED BY:<br>审核:701   | 2024.05.28 |
| APPROVED BY:<br>核准:PD05 | 2024.05.28 |

|  |   |                 |  |
|--|---|-----------------|--|
|  | 美易连电子科技(深圳)有限公司<br>Meiyilian electronic technology (shenzhen) Co., Ltd. |                 |  |
|  | 单位<br>UNIT: mm  | 名称<br>PART NAME | TG-2BP直式插头(带护套式尾帽)<br>TG-2BP Straight Plug<br>(with jacketed tail cap) |

|   |               |
|---|---------------|
| GENERAL TOLERANCE<br>(UNLESS SPECIFIED) |               |
| $\leq 10$                               | $\pm 0.1$     |
| $< 10^\circ \leq 20$                    | $\pm 0.15$    |
| $< 20^\circ \leq 50$                    | $\pm 0.3$     |
| Angle                                   | $\pm 1^\circ$ |

|        |                  |                 |                      |
|--------|------------------|-----------------|----------------------|
|        | 比例<br>SCALE: 1:1 | 型号<br>PART NAME | TGA.2BP.316.KWLAD52Z |
|        | SIZE: A4         | 型号<br>PART NAME | TGA.2BP.316.KWLAD52Z |
| REV/版本 | A1               | SHEET: 1 OF 1   |                      |