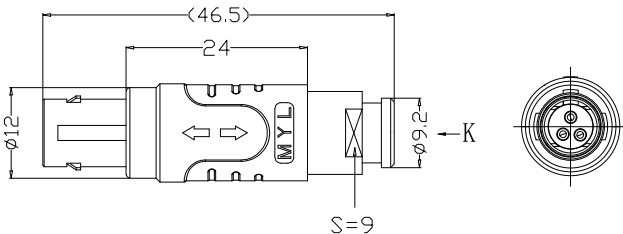


# 1. Product main performance/产品主要性能指标:

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:  $\phi 3.1\text{mm}-\phi 4.0\text{mm}$



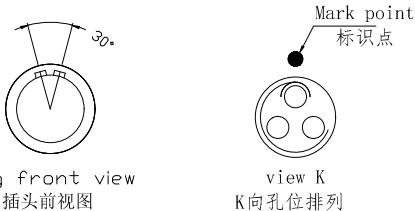
# 2. 电气性能


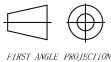
Insert Configuration/针芯配置: 1BP.303 3Low Voltage  
 Pin Size/接触件直径:  $\phi 1.3\text{mm}$   
 Contact resistance接触电阻:  $\leq 5\text{m}\Omega$   
 Insulation resistance/绝缘电阻: 5000M $\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压: 1300V(AC)  
 Rated working current额定工作电流: 12.0A

## 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: PEEK  
 IP Rating/防护等级 : IP50

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



|   |  |   |   |  |  |
|---|--|---|---|--|--|
| D | DRAWN BY:<br>绘图: P003<br>2024.05.28<br>CHECKED BY:<br>审核: Z01<br>2024.05.28<br>APPROVED BY:<br>核准: P005<br>2024.05.28  | <br>美易连电子科技(深圳)有限公司<br>Meiyilian electronic technology(shenzhen)Co.,Ltd. |   |  |  |
|   | GENERAL TOLERANCE<br>(UNLESS SPECIFIED)<br>$\leq 10 \pm 0.1$<br>$< 10^\circ \sim 20^\circ \pm 0.15$<br>$> 20^\circ \sim 50^\circ \pm 0.3$<br>Angle $\pm 1^\circ$ |   | <br>FIRST ANGLE PROJECTION | 单位<br>UNIT: mm<br>名称<br>PART NAME<br>比例<br>SCALE: 1:1<br>型号<br>PART NAME | TG-1BP 直式插头 (带护套式尾帽)<br>TG-1BP Straight Plug<br>(with jacketed tail cap) |
|   | REV/版本<br>A1   |   | SHEET: 1 OF 1   | 名称<br>PART NAME<br>TGA.1BP.303.KW4D42Z                                   | 型号<br>PART NAME<br>TGA.1BP.303.KW4D42Z                                   |