

1. Product main performance/产品主要性能指标:

Operating Temperature/工作温度:  $-55^{\circ}\text{C}\sim 150^{\circ}\text{C}$   
 Humidity(max)/最大潮湿:  $\leq 95\%$  [at  $60\text{ deg C} / 140\text{ F}$ ]  
 Shielding /屏蔽性能:  $75\text{dB}(10\text{MHz})$   $40\text{dB}(1\text{GHz})$   
 Salt Spray Corrosion/盐雾:  $96\text{hr}$

Mechanical data/机械特性:

Vibration/振动:  $15\text{g}[10\text{Hz}\sim 2000\text{Hz}]$   
 Shock Resistance/冲击:  $100\text{g}[6\text{ms}]$   
 Endurance (Shell)/机械寿命:  $5000+$   
 Cable/配接电缆:  $\phi 4.1\text{mm}\sim\phi 5.0\text{mm}$

2. 电气性能

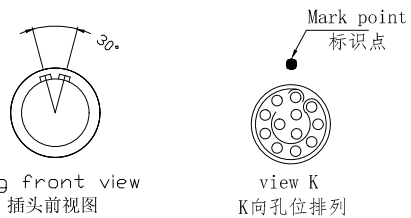
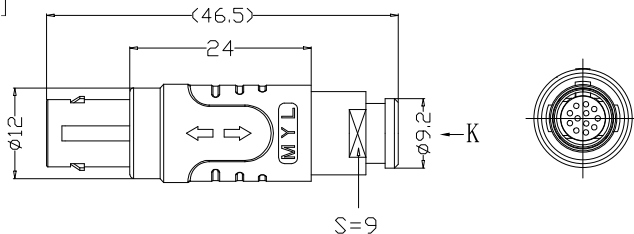
Insert Configuration/针芯配置: 1BP.312 12Low Voltage  
 Pin Size/接触件直径:  $\phi 0.5\text{mm}$   
 Contact resistance接触电阻:  $\leq 15\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\Omega$  (测试电压 $500\text{V}(\text{DC})$ )  
 Withstand voltage/耐电压:  $750\text{V}(\text{AC})$   
 Rated working current额定工作电流:  $2.0\text{A}$


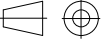
Other Specification/其它规格:

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.

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



|  |  |   |   |  |
|--|--|---|---|--|
| DRAWN BY:<br>绘图: P003      2024.05.28<br>CHECKED BY:<br>审核: Z01      2024.05.28<br>APPROVED BY:<br>核准: P005      2024.05.28            |  |  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>$10 \sim 30 \pm 0.15$<br>$30 \sim 50 \pm 0.3$<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<br>SHEET: 1 OF 1 | TG-1BP直式插头(带护套尾帽)<br>TG-1BP Straight Plug<br>(with jacketed tail cap)<br>TGA. 1BP. 312. KWKAD52Z |