

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:  $<95\%$  [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:  $15\text{g}$  [10Hz~2000Hz]  
 Shock Resistance/冲击:  $100\text{g}$  [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

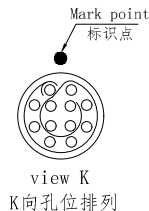
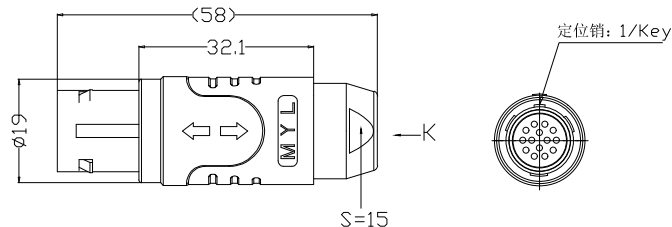
Insert Configuration/针芯配置: 3BP. 312 12Low Voltage  
 Pin Size/接触件直径:  $\phi 0.9\text{mm}$   
 Contact resistance接触电阻:  $\leq 6\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\text{M}\Omega$  (测试电压500V (DC))  
 Withstand voltage/耐电压:  $1450\text{V}$  (AC)  
 Rated working current额定工作电流:  $9.0\text{A}$



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: 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/制图 |
|--------|------------------|---------|-------------|
|        |                  |         |             |



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|--|---|---|--|
| 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                                      |  美易连电子科技(深圳)有限公司<br>Meiyilian electronic technology (shenzhen) Co., Ltd. |   | 名称<br>PART NAME<br>TG-3BP直式插头 (不带护套式尾帽)<br>TG-3BP Straight Plug<br>(without jacketed tail cap) |
| GENERAL TOLERANCE<br>(UNLESS SPECIFIED)<br>$\leq 10 \pm 0.1$<br>$< 10^{\circ} \leq 20 \pm 0.15$<br>$< 20^{\circ} \leq 50 \pm 0.3$<br>Angle $\pm 1^{\circ}$ | <br>FIRST ANGLE PROJECTION   | 单位<br>UNIT: mm<br>比例<br>SCALE: 1:1<br>SIZE: A4<br>SHEET: 1 OF 1 | 型号<br>PART NAME<br>TGG. 3BP. 312. KWLD52   |
| REV/版本   | A1  |   |  |