

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

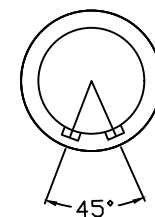
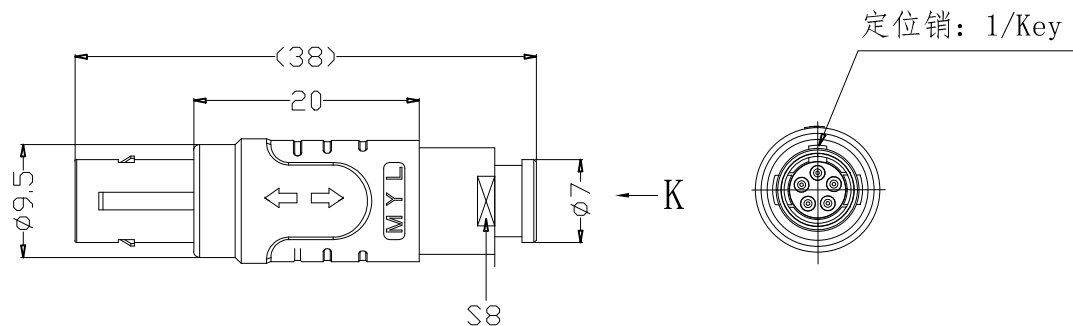
2. 电气性能

Insert Configuration/针芯配置: OBP.305 5Low 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:  $5000\text{M}\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压:  $1000\text{V(AC)}$   
 Rated working current额定工作电流: 6.5A

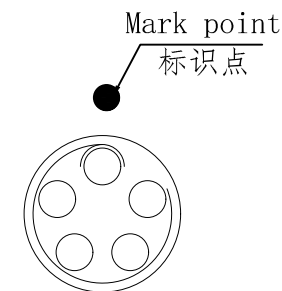
Other Specification/其它规格:

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


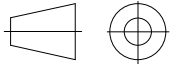
\*ALL MATERIALS ARE RoHS COMPLIANT/所有材料均符合RoHS要求.



Plug front view  
插头前视图



view K  
K向孔位排列

|                                                                                                                                                    |  |                                                                                                               |               |                                                                     |                                            |
|----------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------------------------------|--------------------------------------------|
| DRAWN BY:<br>绘图: Z01 2024. 6. 7<br>CHECKED BY:<br>审核: Z01 2024. 6. 7<br>APPROVED BY:<br>核准: PD05 2024. 6. 7                                        |  |  美易连<br>MEIYILIAN<br>美易连 |               | 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>$< 10 \sim \leq 20 \pm 0.15$<br>$< 20 \sim \leq 50 \pm 0.3$<br>Angle $\pm 1^\circ$ |  |  FIRST ANGLE PROJECTION  |               | 单位<br>UNT: mm                                                       | 名称<br>PART NAME<br>TG-OBP直式插头<br>(带护套式尾冒)  |
|                                                                                                                                                    |  |                                                                                                               |               | 比例<br>SCALE: 1: 1                                                   |                                            |
|                                                                                                                                                    |  |                                                                                                               |               | SIZE: A4                                                            | 型号<br>PART NAME<br>TGJ. OBP. 305. KWLAD52Z |
|                                                                                                                                                    |  | REV/版本<br>A1                                                                                                  | SHEET: 1 OF 1 |                                                                     |                                            |