

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:  $\phi$ 3.1mm- $\phi$ 4.0mm

2. 电气性能

Insert Configuration/针芯配置: OBP.305 5Low Voltage

Pin Size/接触件直径:  $\phi$ 0.7mm

Contact resistance接触电阻:  $\leq$ 12.5m $\Omega$

Insulation resistance/绝缘电阻: 5000M $\Omega$  (测试电压500V(DC))

Withstand voltage/耐电压: 1000V(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

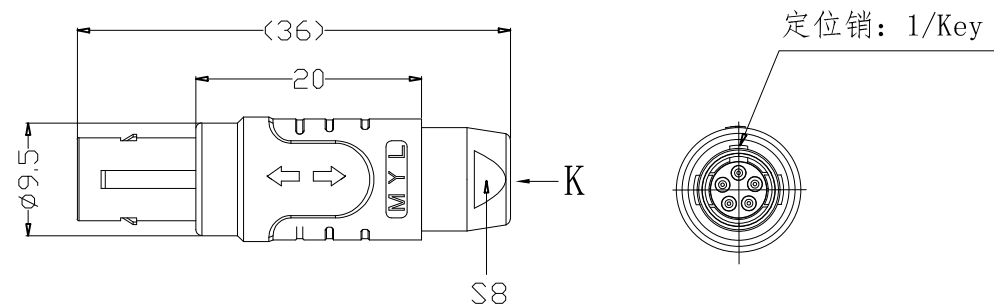
Housing Material/外壳材质 : PEEK

Other Shell Material/其它壳体材质: 铜镀镍

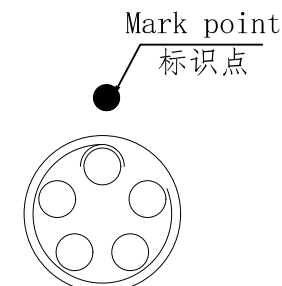
Insulator material/绝缘体材料: PPS

IP Rating/防护等级 : IP50


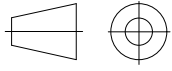
\*ALL MATERIALS ARE RoHS COMPLIANT/所有材料均符合RoHS要求.



Plug front view  
插头前视图



view K  
K向孔位排列

|  |  |  |   |   |
|--|--|--|---|---|
| DRAWN BY:<br>绘图: Z01 2024. 6. 13<br>CHECKED BY:<br>审核: Z01 2024. 6. 13<br>APPROVED BY:<br>核准: PD05 2024. 6. 13                                     |  |  美易连<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>$< 10 \sim \leq 20 \pm 0.15$<br>$< 20 \sim \leq 50 \pm 0.3$<br>Angle $\pm 1^\circ$ |  | <br>FIRST ANGLE PROJECTION  | 单位<br>UNT: mm<br>名称<br>PART NAME<br>比例<br>SCALE: 1: 1<br>型号<br>PART NAME<br>SIZE: A4<br>SHEET: 1 OF 1 |   |
|  |  | REV/版本   | A1  | TG-OBP直式插头<br>(不带护套式尾冒)<br>TGB. OBP. 305. KWLAD42 |