

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  $60^{\circ}\text{C} / 140^{\circ}\text{F}$ ]

Shielding /屏蔽性能:  $75\text{dB}(10\text{MHz}) \quad 40\text{dB}(1\text{GHz})$

Salt Spray Corrosion/盐雾: 96hr

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:  $\phi 5.1\text{mm} - \phi 6.0\text{mm}$

2. 电气性能

Insert Configuration/针芯配置: 2BP. 316 16Low 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 $500\text{V}(\text{DC})$ )

Withstand voltage/耐电压:  $950\text{V}(\text{AC})$

Rated working current额定工作电流:  $6.0\text{A}$

Other Specification/其它规格:

Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金

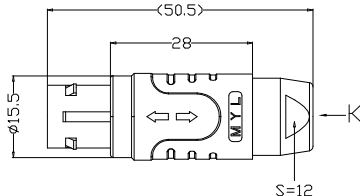
Housing Material/外壳材质: PEEK

Other Shell Material/其它壳体材质: 铜镀镍

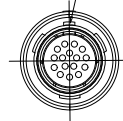
Insulator material/绝缘体材料: PPS

IP Rating/防护等级: IP50

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



定位销: 1/Key



Mark point  
标识点



view K  
K向孔位排列

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

|                          |            |
|--------------------------|------------|
| DRAWN BY:<br>绘图: P003    | 2024.05.28 |
| CHECKED BY:<br>审核: Z01   | 2024.05.28 |
| APPROVED BY:<br>核准: P005 | 2024.05.28 |



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|                                         |                 |
|-----------------------------------------|-----------------|
| GENERAL TOLERANCE<br>(UNLESS SPECIFIED) |                 |
| $\leq 10$                               | $\pm 0.1$       |
| $< 10 \sim \leq 20$                     | $\pm 0.15$      |
| $< 20 \sim \leq 50$                     | $\pm 0.3$       |
| Angle                                   | $\pm 1^{\circ}$ |



FIRST ANGLE PROJECTION

|                   |                 |                                                                            |
|-------------------|-----------------|----------------------------------------------------------------------------|
| 单位<br>UNIT: mm    | 名称<br>PART NAME | TG-2BP直式插头(不带护套式尾帽)<br>TG-2BP Straight Plug<br>(without jacketed tail cap) |
| 比例<br>SCALE: 1: 1 | 型号<br>PART NAME | TGG. 2BP. 316. KWLAD62                                                     |
| 尺寸: A4            | REV/版本          | A1                                                                         |
| SHEET: 1 OF 1     |                 |                                                                            |