

## I. 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 : 15g[10Hz~2000Hz]  
 Shock Resistance/冲击 : 100g[6ms]  
 Endurance (Shell)/机械寿命 : 5000+  
 Cable/配接电缆:  $\phi 10.9\text{mm} \sim \phi 11.8\text{mm}$

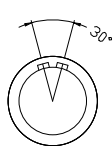
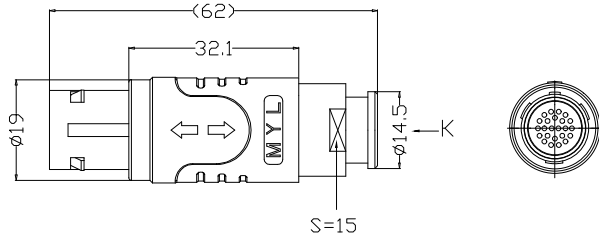
## 2. 电气性能

Insert Configuration/针芯配置: 3BP. 324 24Low Voltage  
 Pin Size/接触件直径:  $\phi 0.7\text{mm}$   
 Contact resistance接触电阻:  $\leq 4.5\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\text{M}\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压: 950V(AC)  
 Rated working current额定工作电流: 4.0A

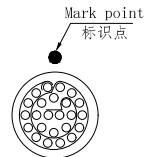
### Other Specification/其它规格:

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.



Plug front view  
插头前视图



view K  
K向孔位排列

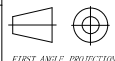
| REV/版本 | DESCRIPTION/变更内容 | DATE/日期 | DRAWN BY/制图 |
|--------|------------------|---------|-------------|
|        |                  |         |             |

|                          |            |
|--------------------------|------------|
| 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) |
| $\leq 10 \pm 0.1$                       |
| $< 10^{\circ} \leq 20 \pm 0.15$         |
| $< 20^{\circ} \leq 50 \pm 0.3$          |
| Angle $\pm 1^{\circ}$                   |



FIRST ANGLE PROJECTION

|                  |           |   |
|------------------|-----------|---|
| 单位<br>UNIT: mm   | 名称        | TG-3BP直式插头(不带护套式尾帽)                                 |
| 比例<br>SCALE: 1:1 | PART NAME | TG-3BP Straight Plug<br>(without jacketed tail cap) |
| SIZE: A1         | 型号        | TGA. 3BP. 324. KWKAD120Z                            |
| REV/版本           | A1        | PART NAME   |
| SHEET: 1 OF 1    |           |   |