

## 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

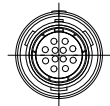
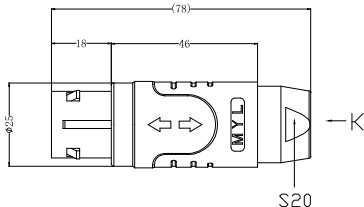
### Mechanical data/机械特性:

Vibration/振动: 15g[10Hz~2000Hz]

Shock Resistance/冲击: 100g[6ms]

Endurance (Shell)/机械寿命: 5000+

Cable/配接电缆:  $\phi 6.1\text{mm}-\phi 7.0\text{mm}$



## 2. 电气性能

Insert Configuration/针芯配置: 4BP. 312 12Low Voltage

Pin Size/接触件直径:  $\phi 1.3\text{mm}$

Contact resistance接触电阻:  $\leq 4\text{m}\Omega$

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

Withstand voltage/耐电压: 1450V(AC)

Rated working current额定工作电流: 12.0A

### Other Specification/其它规格:

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

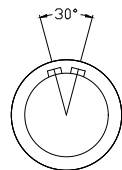
Housing Material/外壳材质: PEEK

Other Shell Material/其它壳体材质: 铜镀镍

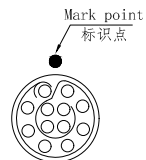
Insulator material/绝缘体材料: PPS

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:  
绘图: P003  
2024.05.28  
CHECKED BY:  
审核: Z01  
2024.05.28  
APPROVED BY:  
核准: P005  
2024.05.28

GENERAL TOLERANCE  
(UNLESS SPECIFIED)

$\leq 10 \pm 0.1$

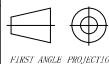
$< 10^{\circ} \leq 20 \pm 0.15$

$< 20^{\circ} \leq 50 \pm 0.3$

Angle  $\pm 1^{\circ}$



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FIRST ANGLE PROJECTION

单位: mm

名称

比例

SCALE: 1:1

SIZE: A4

REV/版本

SHEET: 1 OF 1

名称

PART NAME

型号

PART NAME

TG-4BP直式插头(不带护套式尾帽)  
TG-4BP Straight Plug  
(without jacketed tail cap)

TGA. 4BP. 312. KWLAD72