

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:  $\leq 95\%$  [at  $60^{\circ}\text{C} / 140^{\circ}\text{F}$ ]

Shielding /屏蔽性能: 75dB(10MHz) 40dB(1GHz)

Salt Spray Corrosion/盐雾: 96hr

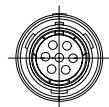
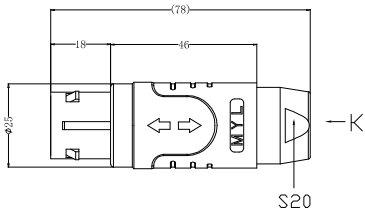
Mechanical data/机械特性:

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. 307 7Low Voltage

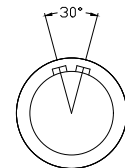
Pin Size/接触件直径:  $\phi 2.0\text{mm}$

Contact resistance接触电阻:  $\leq 3.5\text{m}\Omega$

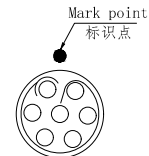
Insulation resistance/绝缘电阻: 5000M $\Omega$  (测试电压500V(DC))

Withstand voltage/耐电压: 2000V(AC)

Rated working current额定工作电流: 20.0A



Plug front view  
插头前视图



view K  
K向孔位排列

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.

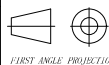
REV/版本	DESCRIPTION/变更内容	DATE/日期	DRAWN BY/绘图

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



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



FIRST ANGLE PROJECTION

单位

UNITS: mm

比例

SCALE: 1:1

名称

PART NAME

型号

PART NAME

REV/版本

A1

SHEET: 1 OF 1

TG-1BP直式插头(不带护套式尾帽)  
TG-1BP Straight Plug  
(without jacketed tail cap)

TGA. 4BP. 307. KWLAD72