

# 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

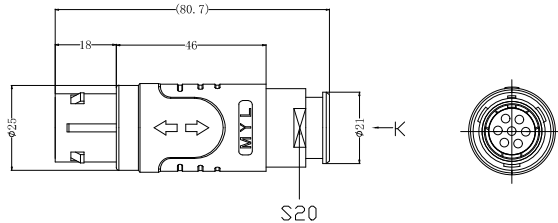
## Mechanical data / 机械特性:

Vibration / 振动: 15g[10Hz~2000Hz]

Shock Resistance / 冲击: 100g[6ms]

Endurance (Shell) / 机械寿命: 5000+

Cable / 配接电缆:  $\phi 8.1\text{mm} - \phi 9.0\text{mm}$



## 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:  $5000\text{M}\Omega$  (测试电压500V(DC))

Withstand voltage / 耐电压: 2000V(AC)

Rated working current / 额定工作电流: 20.0A

## Other Specification / 其它规格:

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

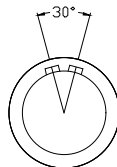
Housing Material / 外壳材质: PEEK

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



FIRST ANGLE PROJECTION

REV/版本 A1

单位  
UNIT: mm  
比例  
SCALE: 1:1  
SIZE: A4  
SHEET: 1 OF 1

名称  
PART NAME TG-4BP 直式插头 (带护套式尾帽)  
TG-4BP Straight Plug  
(with jacketed tail cap)  
型号  
PART NAME TGA. 4BP. 307. KWKAD92Z