

# 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  $60 \text{ deg C} / 140 \text{ F}$ ]  
 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:  $\phi 14.1\text{mm} - \phi 15.0\text{mm}$

## 2. 电气性能

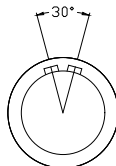
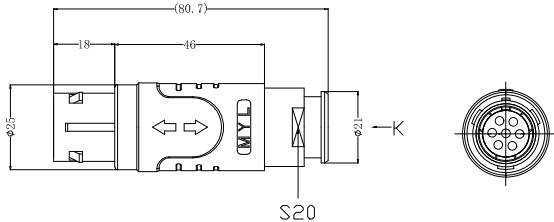
Insert Configuration / 针芯配置: 4BP, 307 7Low Voltage  
 Pin Size / 接触件直径:  $\phi 2.0\text{mm}$   
 Contact resistance / 接触电阻:  $\leq 3.5\text{m}\Omega$   
 Insulation resistance / 绝缘电阻: 5000M $\Omega$  (测试电压500V(DC))  
 Withstand voltage / 耐压: 2000V(AC)  
 Rated working current / 额定工作电流: 20.0A

## Other Specification / 其它规格:

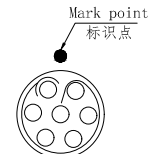
Contact PIN / 接触体: Gold plated Tin bronze / 锡青铜镀金  
 Housing Material / 外壳材质: PEEK  
 Other Shell Material / 其它壳体材质: 铜镀镍  
 Insulator material / 绝缘体材料: PPS  
 IP Rating / 防护等级: IP50

\*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



Plug front view  
插头前视图



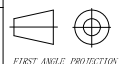
view K  
K向孔位排列

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



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GENERAL TOLERANCE (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 UNIT: mm  
 比例 SCALE: 1:1

名称 PART NAME

型号 PART NAME

REV/版本 A1

SIZE: A4  
 SHEET: 1 OF 1

名称 TG-4BP直式插头(带护套式尾帽)  
 TG-4BP Straight Plug  
 (with jacketed tail cap)

型号 TGA. 4BP. 307. KWLAD152Z