

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: $75\text{dB}(10\text{MHz}) \quad 40\text{dB}(1\text{GHz})$
 Salt Spray Corrosion / 盐雾: 96hr

Mechanical data / 机械特性:

Vibration / 振动: $15\text{g}[10\text{Hz} \sim 2000\text{Hz}]$
 Shock Resistance / 冲击: $100\text{g}[6\text{ms}]$
 Endurance (Shell) / 机械寿命: $5000+$
 Cable / 配接电缆: $\phi 14.5\text{mm} - \phi 15.4\text{mm}$

2. 电气性能

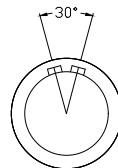
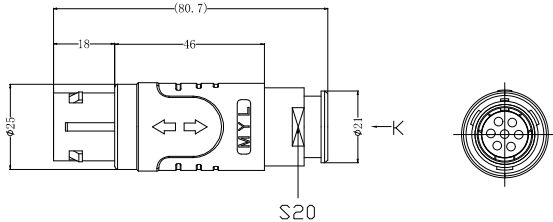
Insert Configuration / 针芯配置: $4\text{BP}, 307, 7\text{Low Voltage}$
 Pin Size / 接触件直径: $\phi 2.0\text{mm}$
 Contact resistance / 接触电阻: $\leq 3.5\text{m}\Omega$
 Insulation resistance / 绝缘电阻: $5000\text{M}\Omega$ (测试电压 $500\text{V}(\text{DC})$)
 Withstand voltage / 耐压: $2000\text{V}(\text{AC})$
 Rated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

Other Specification / 其它规格:

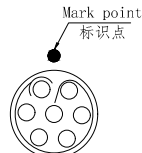
Contact PIN / 接触体: Gold plated Tin bronze / 锡青铜镀金
 Housing Material / 外壳材质: PEEK
 Other Shell Material / 其它壳体材质: 铜镀镍
 Insulator material / 绝缘体材料: PEEK
 IP Rating / 防护等级: IP50

*ALL MATERIALS ARE RoHS COMPLIANT / 所有材料均符合RoHS要求.

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



Plug front view
插头前视图



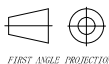
view K
K向孔位排列

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



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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

SHEET: 1 OF 1

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

TGA_4BP_307_KWKAD156Z