

1. Product main performance/产品主要性能指标:

Operating Temperature/工作温度 : -55℃~150℃  
 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:  $\phi$ 7.1mm- $\phi$ 8.0mm

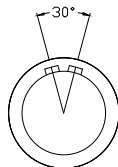
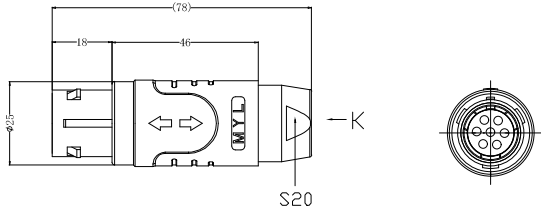
2. 电气性能

Insert Configuration/针芯配置: 4BP. 307 7Low Voltage  
 Pin Size/接触件直径:  $\phi$ 2.0mm  
 Contact resistance接触电阻:  $\leq$ 3.5m $\Omega$   
 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

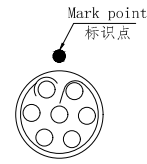
Other Specification/其它规格:

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

REV/版本	DESCRIPTION/变更项目	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°



REV/版本 A1  
 SHEET: 1 OF 1

单位 UNT: mm  
 比例 SCALE: 1:1  
 型号 PART NAME

名称 TG-4BP直式插头 (不带护套式尾帽)  
 TG-4BP Straight Plug  
 (without Jacketed tail cap)  
 型号 TGA. 4BP. 307. KWLAD82  
 PART NAME