

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

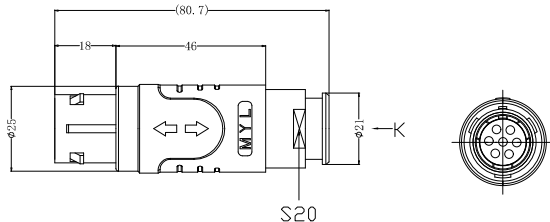
Mechanical data/机械特性:

Vibration/振动: 15g[10Hz~2000Hz]

Shock Resistance/冲击: 100g[6ms]

Endurance (Shell)/机械寿命: 5000+

Cable/配接电缆:  $\phi 7.1\text{mm}-\phi 8.0\text{mm}$



2. 电气性能

Insert Configuration/针芯配置: 4BP. 307 7Low Voltage

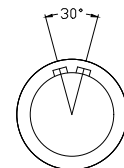
Pin Size/接触件直径:  $\phi 2.0\text{mm}$

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

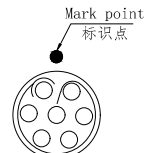
Insulation resistance/绝缘电阻: 5000M $\Omega$  (测试电压500V(DC))

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

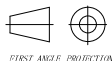
DRAWN BY:  
绘图: P003 2024.05.28  
CHECKED BY:  
审核: Z01 2024.05.28  
APPROVED BY:  
批准: P005 2024.05.28



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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

名称 (NAME):

比例 (SCALE): 1:1

名称 (NAME):

型号 (MODEL):

REV/版本

A1

SHEET: 1 OF 1

名称 (NAME):

PART NAME

名称 (NAME):

PART NAME

名称 (NAME):

PART NAME

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

型号 (MODEL):

TGA.4BP.307.KWLAD82Z