

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 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: $\phi 2.1\text{mm} - \phi 3.0\text{mm}$

2. 电气性能

Insert Configuration/针芯配置: 1BP.306 6Low Voltage

Pin Size/接触件直径: $\phi 0.7\text{mm}$

Contact resistance接触电阻: $\leq 12.5\text{m}\Omega$

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

Withstand voltage/耐电压: 1050V(AC)

Rated working current额定工作电流: 7.0A

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

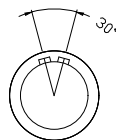
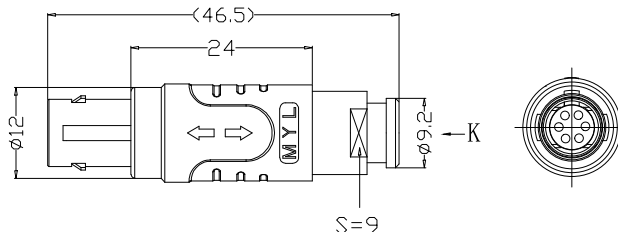
Other Shell Material/其它壳体材质: 铜镀镍

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/制图 |
|--------|------------------|---------|-------------|
| | | | |



Plug front view
插头前视图

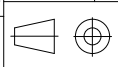


view K
K向孔位排列

| | | | |
|---|--|---|--|
| DRAWN BY: 绘图: P003 | | 2024.05.28 | |
| CHECKED BY: 审核: Z01 | | 2024.05.28 | |
| APPROVED BY: 核准: P005 | | 2024.05.28 | |
| GENERAL TOLERANCE (UNLESS SPECIFIED) | |  FIRST ANGLE PROJECTION | |
| ≤ 10 | | ±0.1 | |
| $< 10^{\circ} \sim \leq 20$ | | ±0.15 | |
| $< 20^{\circ} \sim \leq 50$ | | ±0.3 | |
| Angle | | ±1° | |



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FIRST ANGLE PROJECTION

REV/版本 A1

单位
UNIT: mm
名称
PART NAME
比例
SCALE: 1:1
型号
PART NAME

SIZE: A4
SHEET: 1 OF 1

TG-1BP直式插头(带护套式尾帽)
TG-1BP Straight Plug
(with jacketed tail cap)

TGA. 1BP. 306. KWKAD52Z