

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

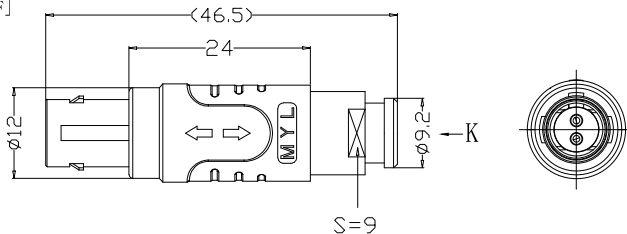
Mechanical data/机械特性:

Vibration/振动: 15g[10Hz~2000Hz]

Shock Resistance/冲击: 100g[6ms]

Endurance (Shell)/机械寿命: 5000+

Cable/配接电缆: $\phi 3.1\text{mm} - \phi 4.0\text{mm}$



2. 电气性能

Insert Configuration/针芯配置: 1BP. 302 2Low Voltage

Pin Size/接触件直径: $\phi 1.3\text{mm}$

Contact resistance接触电阻: $\leq 5\text{m}\Omega$

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

Withstand voltage/耐电压: 1500V(AC)

Rated working current额定工作电流: 15.0A

Other Specification/其它规格:

Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金

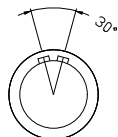
Housing Material/外壳材质: PEEK

Other Shell Material/其它壳体材质: 铜镀镍

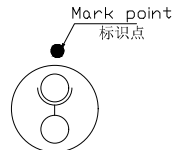
Insulator material/绝缘体材料: PEEK

IP Rating/防护等级: IP50

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



Plug front view
插头前视图



view K
K向孔位排列

REV/版本	DESCRIPTION/型式内容	DATE/日期	DRAWN BY/制图

DRAWN BY: 绘图: P003	2024. 05. 28
CHECKED BY: 审核: Z01	2021. 05. 28
APPROVED BY: 核准: P005	2024. 05. 28

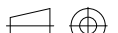


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GENERAL TOLERANCE
(UNLESS SPECIFIED)

≤ 10 ± 0.1
 $< 10^{\circ} \leq 20$ ± 0.15
 $< 20^{\circ} \leq 50$ ± 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

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. 302. KWKAD42Z