

I. 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

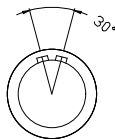
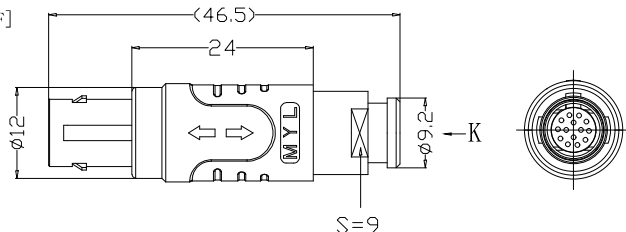
Insert Configuration/针芯配置: 1BP.314 14Low Voltage
 Pin Size/接触件直径: $\phi 0.5\text{mm}$
 Contact resistance接触电阻: $\leq 15\text{m}\Omega$
 Insulation resistance/绝缘电阻: $5000\text{M}\Omega$ (测试电压500V(DC))
 Withstand voltage/耐电压: 750V(AC)
 Rated working current额定工作电流: 2.0A

Other Specification/其它规格:

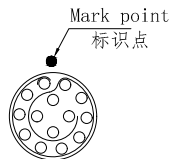
Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金
 Housing Material/外壳材质: PEEK
 Other Shell Material/其它壳体材质: 铜镀镍
 Insulator material/绝缘体材料: PPS
 IP Rating/防护等级: IP50

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

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



Plug front view
插头前视图



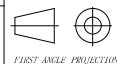
view K
K向孔位排列

DRAWN BY: 绘图: P003	2024.03.28
CHECKED BY: 审核: Z01	2024.05.28
APPROVED BY: 核准: P005	2024.05.28



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GENERAL TOLERANCE (UNLESS SPECIFIED)	
≤ 10	± 0.1
$< 10 \sim 20$	± 0.15
$< 20 \sim 50$	± 0.3
Angle	$\pm 1^{\circ}$



FIRST ANGLE PROJECTION

单位 UNIT: mm	名称 PART NAME	TG-1BP直式插头(带护套式尾帽) TG-1BP Straight Plug (with jacketed tail cap)
比例 SCALE: 1:1		
SIZE: A4	型号 PART NAME	TGA. 1BP. 314. KWLAD32Z

REV/版本	A1	SHEET: 1 OF 1
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