

## 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  $60\text{ deg C} / 140\text{ F}$ ]

Shielding /屏蔽性能:  $75\text{dB}(10\text{MHz})\ 40\text{dB}(1\text{GHz})$

Salt Spray Corrosion/盐雾:  $96\text{hr}$

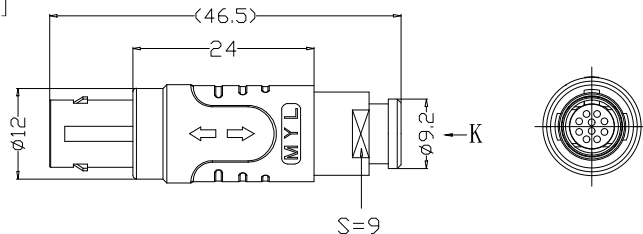
### Mechanical data/机械特性:

Vibration/振动:  $15\text{g}[10\text{Hz}\sim 2000\text{Hz}]$

Shock Resistance/冲击:  $100\text{g}[6\text{ms}]$

Endurance (Shell)/机械寿命:  $5000+$

Cable/配接电缆:  $\phi 4.1\text{mm}-\phi 5.0\text{mm}$



## 2. 电气性能

Insert Configuration/针芯配置:  $1\text{BP}, 310\ 10\text{Low Voltage}$

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 $500\text{V}(\text{DC})$ )

Withstand voltage/耐电压:  $900\text{V}(\text{AC})$

Rated working current额定工作电流:  $2.5\text{A}$

### Other Specification/其它规格:

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

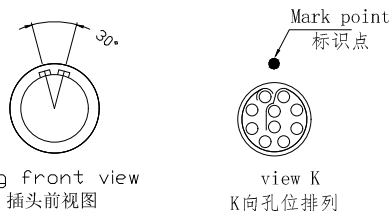
Housing Material/外壳材质: PEEK

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:  $\text{IP50}$

\*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

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 $\pm 1^{\circ}$	FIRST ANGLE PROJECTION	单位 (UNIT): mm	名称 PART NAME:	TG-1BP直式插头(护套套式尾帽) TG-1BP Straight Plug (with jacketed tail cap)
		比例 SCALE: 1: 1	型号 PART NAME:	
REV/版本	A1	SIZE: A4	SHEET: 1 OF 1	TGA. 1BP. 310. KWKAD52Z