

### 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:  $\phi 5.1\text{mm} - \phi 6.0\text{mm}$

### 2. 电气性能

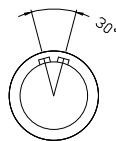
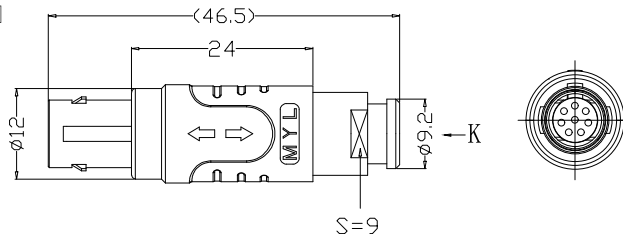
Insert Configuration/针芯配置: 1BP. 308 8Low Voltage  
 Pin Size/接触件直径:  $\phi 0.7\text{mm}$   
 Contact resistance接触电阻:  $\leq 12.5\text{m}\Omega$   
 Insulation resistance/绝缘电阻: 5000M $\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压: 950V(AC)  
 Rated working current额定工作电流: 5.0A

#### Other Specification/其它规格:

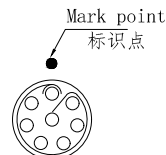
Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金  
 Housing Material/外壳材质: PEEK  
 Other Shell Material/其它壳体材质: 铜镀镍  
 Insulator material/绝缘体材料: PPS  
 IP Rating/防护等级: IP50

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


REV/版本	DESCRIPTION/历史描述	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: PPO3 2024.05.28		 美易连电子科技(深圳)有限公司 Meiyilian electronic technology (shenzhen) Co., Ltd.		名称		TC-1BP 直式插头 (带护套式尾帽) TC-1BP Straight Plug (with jacketed tail cap)
CHECKED BY: 审核: ZOI 2024.05.28				PART NAME		
APPROVED BY: 核准: PPO3 2024.05.28				比例 SCALE: 1: 1		型号
GENERAL TOLERANCE (UNLESS SPECIFIED)		FIRST ANGLE PROJECTION		SIZE: A4		PART NAME
$\leq 10 \pm 0.1$ $< 10^{\circ} \leq 20 \pm 0.15$ $< 20^{\circ} \leq 50 \pm 0.3$ Angle $\pm 1^{\circ}$		REV/版本		SHEET: 1 OF 1		

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<https://www.mylconnector.com/>

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