

### 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:  $\leq 95\%$  [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

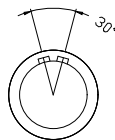
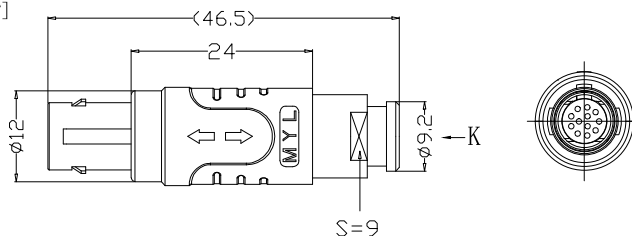
Insert Configuration/针芯配置: 1BP.312 12Low Voltage  
 Pin Size/接触件直径:  $\phi 0.5\text{mm}$   
 Contact resistance接触电阻:  $\leq 15\text{m}\Omega$   
 Insulation resistance/绝缘电阻: 5000M $\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压: 750V(AC)  
 Rated working current额定工作电流: 2.0A

### Other Specification/其它规格:

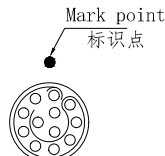
Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金  
 Housing Material/外壳材质: PEEK  
 Other Shell Material/其它壳体材质: 铜镀镍  
 Insulator material/绝缘体材料: PPS  
 IP Rating/防护等级: IP50

\*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		
CHECKED BY: 审核: Z01	2024.05.28		Meiyilian electronic technology(shenzhen)Co.,Ltd.		
APPROVED BY: 批准: PPO3	2024.05.28				
GENERAL TOLERANCE (UNLESS SPECIFIED)			单位 UNIT: mm	名称	TG-1BP直式插头(带护套式尾帽)
$\leq 10$ $\pm 0.1$			比例 SCALE: 1:1	PART NAME	TG-1BP Straight Plug (with jacketed tail cap)
$< 10^{\circ} \leq 20$ $\pm 0.15$			SIZE: A1	型号	TGA. 1BP. 312. KWLAD62Z
$< 20^{\circ} \leq 50$ $\pm 0.3$			REV/版本	A1	
Angle $\pm 1^{\circ}$		SHEET: 1 OF 1			