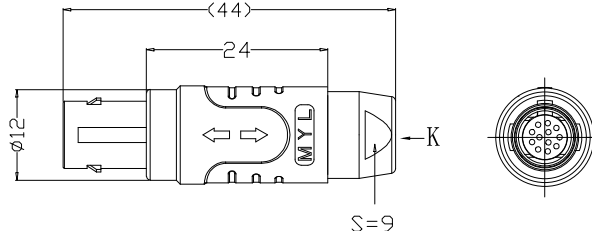


# I. Product main performance/产品主要性能指标:

Operating Temperature/工作温度: -55°C~150°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

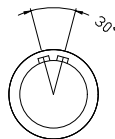
## Mechanical data/机械特性:

Vibration/振动: 15g[10Hz~2000Hz]  
 Shock Resistance/冲击: 100g[6ms]  
 Endurance (Shell)/机械寿命: 5000+  
 Cable/配接电缆:  $\Phi$ 3.1mm- $\Phi$ 4.0mm

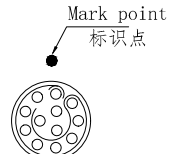


## 2. 电气性能

Insert Configuration/针芯配置: 1BP. 312 12Low Voltage  
 Pin Size/接触件直径:  $\Phi$ 0.5mm  
 Contact resistance接触电阻:  $\leq$ 15m $\Omega$   
 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



Plug front view  
插头前视图



view K  
K向孔位排列

## 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.

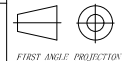
REV/版本	DESCRIPTION/更改内容	DATE/日期	DRAWN BY/绘图

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



美易连电子科技(深圳)有限公司  
 Meiyilian electronic technology (shenzhen) Co., Ltd.

GENERAL TOLERANCE  
(UNLESS SPECIFIED)  
 $\leq$ 10  $\pm$ 0.1  
 <10 $\sim$  $\leq$ 20  $\pm$ 0.15  
 <20 $\sim$  $\leq$ 50  $\pm$ 0.3  
 Angle  $\pm$ 1°



单位: mm  
 比例: 1:1  
 SCALE: 1:1  
 SIZE: A4  
 FIRST ANGLE PROJECTION

REV/版本 A1 SHEET: 1 OF 1

名称 PART NAME	TG-1BP直式插头 (不带护套式尾帽) TG-1BP Straight Plug (without jacketed tail cap)
型号 PART NAME	TGA. 1BP. 312. KWLAD42