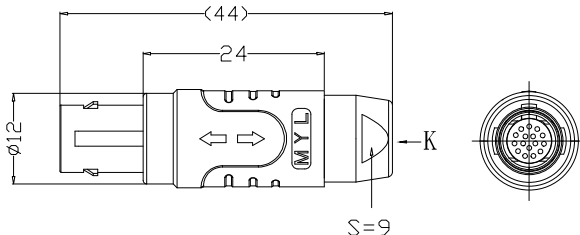


## 1. Product main performance/产品主要性能指标:

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: 75dB(10MHz) 40dB(1GHz)  
 Salt Spray Corrosion/盐雾: 96hr

### 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:  $\phi 4.4\text{mm}-\phi 5.3\text{mm}$



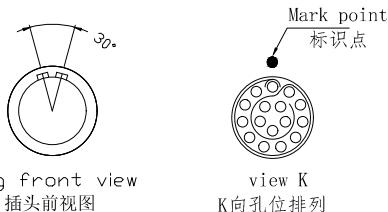
## 2. 电气性能

Insert Configuration/针芯配置: 1BP. 316 16Low 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: 1.5A

### 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: 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

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

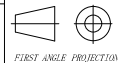
DRAWN BY:  
绘图: P003 2024.05.28  
 CHECKED BY:  
审核: Z01 2024.05.28  
 APPROVED BY:  
核准: P005 2024.05.28



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

GENERAL TOLERANCE  
(UNLESS SPECIFIED)

$\leq 10 \pm 0.1$   
 $< 10^{\circ} \sim 20^{\circ} \pm 0.15$   
 $< 20^{\circ} \sim 50^{\circ} \pm 0.3$   
 Angle  $\pm 1^{\circ}$



FIRST ANGLE PROJECTION

单位  
UNIT: mm  
 比例  
SCALE: 1:1

SIZE: A4

SHEET: 1 OF 1

名称  
PART NAME

型号  
PART NAME

TG-1BP直式插头(不带护套式尾帽)  
 TG-1BP Straight Plug  
 (without jacketed tail cap)

TGA. 1BP. 316. KWKAD58