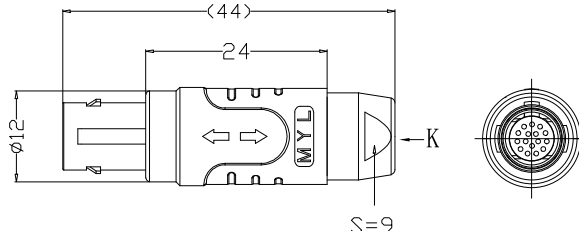


## 1. Product main performance/产品主要性能指标:

Operating Temperature/工作温度 : -55℃~150℃  
 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:  $\phi$ 6.1mm- $\phi$ 7.0mm



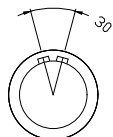
## 2. 电气性能

Insert Configuration/针芯配置: 1BP.316 16Low 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: 5000 $\Omega$  (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 : PPS  
 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

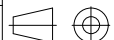
REV/版本	DESCRIPTION/变更内容	DATE/日期	DRAWN BY/绘图

DRAWN BY:  
绘图: P003 2024.05.28  
 CHECKED BY:  
审核: Z01 2024.03.28  
 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 ~  $\leq$ 20  $\pm$ 0.15  
 <20 ~  $\leq$ 50  $\pm$ 0.3  
 Angle  $\pm$ 1°



FIRST ANGLE PROJECTION

单位  
UNIT: mm  
 比例  
SCALE: 1:1

名称  
PART NAME  
 型号  
PART NAME

TG-1BP直式插头(不护套垂式尾帽)  
 TG-1BP Straight Plug  
 (without jacketed tail cap)

TGA. 1BP. 316. KWLAD72

REV/版本 A1 SHEET: 1 OF 1