

## 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:  $\phi 4.1\text{mm} - \phi 5.0\text{mm}$

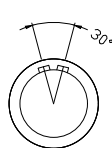
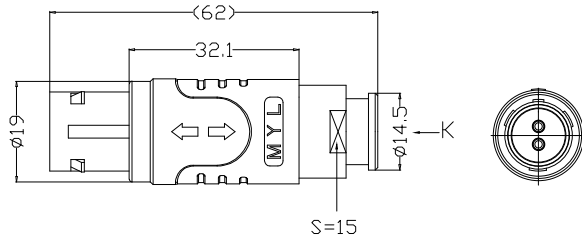
## 2. 电气性能

Insert Configuration/针芯配置: 3BP. 302 2Low Voltage  
 Pin Size/接触件直径:  $\phi 3.0\text{mm}$   
 Contact resistance接触电阻:  $\leq 3\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐压: 2100V(AC)  
 Rated working current额定工作电流: 35.0A

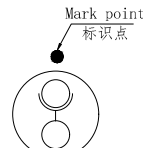
### Other Specification/其它规格:

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 : 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/描述内容	DATE/日期	DRAWN BY/绘图

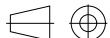
DRAWN BY:  
绘图: P003 2024.05.28  
 CHECKED BY:  
审核: Z01 2024.05.28  
 APPROVED BY:  
核准: P005 2024.05.28



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

GENERAL TOLERANCE  
(UNLESS SPECIFIED)

$\leq 10 \pm 0.1$   
 $< 10^{\circ} \sim \leq 20 \pm 0.15$   
 $< 20^{\circ} \sim \leq 30 \pm 0.3$   
 Angle  $\pm 1^{\circ}$



FIRST ANGLE PROJECTION

REV/版本 AI SHEET: 1 OF 1

单位  
UNT: mm  
比例  
SCALE: 1:1

名称  
PART NAME  
型号  
PART NAME

TG-3BP 直式插头 (带护套式尾帽)  
 TG-3BP Straight Plug  
 (with jacketed tail cap)

TGA. 3BP. 302. KWKA052Z