

## 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  $60\text{ deg C} / 140\text{ F}$ ]  
 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:  $\phi 6.1\text{mm}-\phi 7.0\text{mm}$

## 2. 电气性能

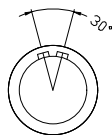
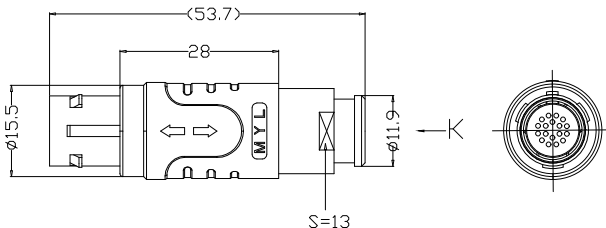
Insert Configuration/针芯配置: 2BP.318 18Low Voltage  
 Pin Size/接触件直径:  $\phi 0.7\text{mm}$   
 Contact resistance/接触电阻:  $\leq 12.5\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\text{M}\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压:  $850\text{V}$ (AC)  
 Rated working current/额定工作电流:  $5.5\text{A}$

### Other Specification/其它规格:

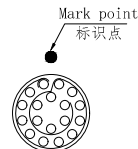
Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金  
 Housing Material/外壳材质: PEEK  
 Other Shell Material/其它壳体材质: 铜镀镍  
 Insulator material/绝缘体材料: PPS  
 IP Rating/防护等级: IP50

\*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: PDD3 2024.05.28  
 CHECKED BY: 审核: ZOI 2024.05.28  
 APPROVED BY: 核准: PDD5 2024.05.28



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GENERAL TOLERANCE (UNLESS SPECIFIED)		FIRST ANGLE PROJECTION	单位 (UNIT): mm 比例 (SCALE): 1:1	名称 (PART NAME)	TG-2BP 直式插头 (带护套式尾帽) TG-2BP Straight Plug (with jacketed tail cap)
$\leq 10$	$\pm 0.15$				
$< 10^{\circ} \sim \leq 20^{\circ}$	$\pm 0.15$	REV/版本	A1	SHEET: 1 OF 1	
$< 20^{\circ} \sim \leq 50^{\circ}$	$\pm 0.3$				
Angle	$\pm 1^{\circ}$				