

# 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:  $75\text{dB}(10\text{MHz})\ 40\text{dB}(1\text{GHz})$   
 Salt Spray Corrosion/盐雾:  $96\text{hr}$

## 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:  $\phi 3.4\text{mm}-\phi 4.3\text{mm}$

## 2. 电气性能

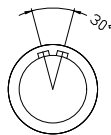
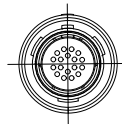
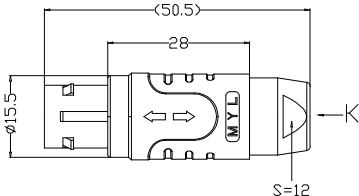
Insert Configuration/针芯配置:  $2\text{BP}.318\ 18\text{Low Voltage}$   
 Pin Size/接触件直径:  $\phi 0.7\text{mm}$   
 Contact resistance接触电阻:  $\leq 12.5\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\text{M}\Omega$  (测试电压 $500\text{V}(\text{DC})$ )  
 Withstand voltage/耐电压:  $850\text{V}(\text{AC})$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

## Other Specification/其它规格:

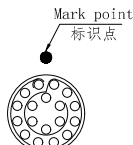
Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金  
 Housing Material/外壳材质: PEEK  
 Other Shell Material/其它壳体材质: 铜镀镍  
 Insulator material/绝缘体材料: PPS  
 IP Rating/防护等级: IP50

\*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: P003	2024.05.28
CHECKED BY: 审核: Z01	2024.05.28
APPROVED BY: 核准: P005	2024.05.28



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GENERAL TOLERANCE (UNLESS SPECIFIED)	$\leq 10\ \pm 0.1$ $< 10 \sim \leq 20\ \pm 0.15$ $< 20 \sim \leq 50\ \pm 0.3$ Angle $\pm 1^{\circ}$
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FIRST ANGLE PROJECTION

REV/版本 A1

SHEET: 1 OF 1

单位 UNIT: mm	名称 PART NAME
比例 SCALE: 1: 1	型号 PART NAME
SIZE: A4	

TG-2BP直式插头(不带护套式尾帽) TG-2BP Straight Plug (without jacketed tail cap)
TGA. 2BP. 318. KWLAD45