

# 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  $60^{\circ}\text{C} / 140^{\circ}\text{F}$ ]  
 Shielding /屏蔽性能:  $75\text{dB}(10\text{MHz}) \quad 40\text{dB}(1\text{GHz})$   
 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:  $\phi 9.1\text{mm} - \phi 10.0\text{mm}$

## 2. 电气性能

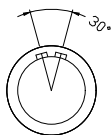
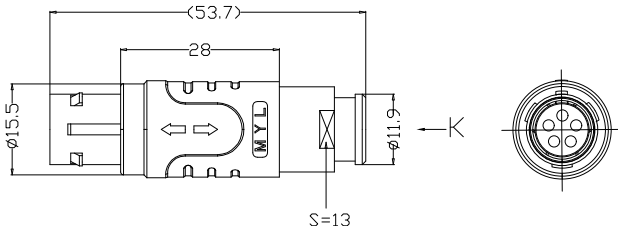
Insert Configuration/针芯配置:  $2\text{BP}, 305 \text{ 5Low Voltage}$   
 Pin Size/接触面直径:  $\phi 1.3\text{mm}$   
 Contact resistance/接触电阻:  $\leq 5\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\text{M}\Omega$  (测试电压 $500\text{V}(\text{DC})$ )  
 Withstand voltage/耐电压:  $1750\text{V}(\text{AC})$   
 Rated working current/额定工作电流:  $14.0\text{A}$

## Other Specification/其它规格:

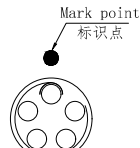
Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金  
 Housing Material/外壳材质: PEEK  
 Other Shell Material/其它壳体材质: 铜镀镍  
 Insulator material/绝缘体材料: PPS  
 IP Rating/防护等级: IP50

\*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



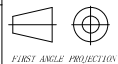
view K  
K向孔位排列

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



FIRST ANGLE PROJECTION

单位  
UNIT: mm  
 比例  
SCALE: 1:1  
 型号  
SIZE: A4

名称  
PART NAME

TC-2BP直式插头(带护套式尾帽)  
 TG-2BP Straight Plug  
 (with jacketed tail cap)

型号  
PART NAME

TGA. 2BP. 305. KWLAD102Z

REV/版本

A1

SHEET: 1 OF 1