

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:  $75\text{dB}(10\text{MHz})$   $40\text{dB}(1\text{GHz})$   
 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

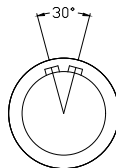
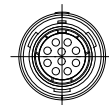
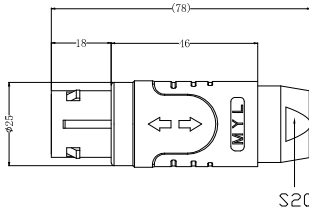
Insert Configuration/针芯配置: 4BP. 310 10Low Voltage  
 Pin Size/接触件直径:  $\phi 1.6\text{mm}$   
 Contact resistance接触电阻:  $\leq 4\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\text{M}\Omega$  (测试电压 $500\text{V}(\text{DC})$ )  
 Withstand voltage/耐电压:  $1850\text{V}(\text{AC})$   
 Rated working current额定工作电流:  $17.0\text{A}$

Other Specification/其它规格:

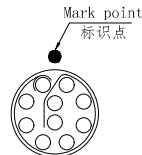
Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金  
 Housing Material/外壳材质: PEEK  
 Other Shell Material/其它壳体材质: 铜镀镍  
 Insulator material/绝缘体材料: PPS  
 IP Rating/防护等级: IP50

\*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 审核: Z01		2024.05.28	
CHECKED BY: 标准: P005		2024.05.28	
APPROVED BY:		2024.05.28	
GENERAL TOLERANCE (UNLESS SPECIFIED)		 FIRST ANGLE PROJECTION	
$\leq 10$	$\pm 0.1$	单位 UNIT: mm	名称 PART NAME
$< 10^{\circ} \leq 20$	$\pm 0.15$	比例 SCALE: 1: 1	型号 PART NAME
$< 20^{\circ} \leq 30$	$\pm 0.3$	SIZE: A4	TGA. 4BP. 310. KWLAD72
Angle	$\pm 1^{\circ}$	REV/版本 A1	SHEET: 1 OF 1



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

名称 PART NAME  
TG-4BP 直式插头 (不带护套式尾帽)  
 (without jacketed tail cap)

型号 PART NAME  
TGA. 4BP. 310. KWLAD72