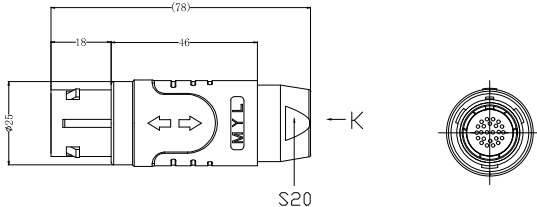


## 1. Product main performance/产品主要性能指标:

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:  $75\text{dB}(10\text{MHz})\ 40\text{dB}(1\text{GHz})$   
 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:  $\phi 13.1\text{mm}-\phi 14.0\text{mm}$



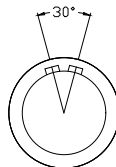
## 2. 电气性能

Insert Configuration/针芯配置:  $4\text{BP. } 324\ 24\text{Low Voltage}$   
 Pin Size/接触件直径:  $\phi 0.9\text{mm}$   
 Contact resistance接触电阻:  $\leq 9\text{m}\Omega$   
 Insulation resistance/绝缘电阻:  $5000\text{M}\Omega$  (测试电压 $500\text{V}(\text{DC})$ )  
 Withstand voltage/耐电压:  $1200\text{V}(\text{AC})$   
 Rated working current额定工作电流:  $7.0\text{A}$

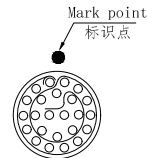
### Other Specification/其它规格:

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.



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/绘制

DRAWN BY: 绘图: P003	2024.05.28		美易连电子科技(深圳)有限公司 Meiyilian electronic technology (shenzhen) Co., Ltd.	
CHECKED BY: 审核: Z01	2024.05.28			
APPROVED BY: 核准: P005	2024.05.28			
GENERAL TOLERANCE (UNLESS SPECIFIED) $\leq 10\ \pm 0.1$ $< 10^{\circ} \leq 20\ \pm 0.15$ $< 20^{\circ} \leq 50\ \pm 0.3$ Angle $\pm 1^{\circ}$		单位 UNIT: mm 名称 PART NAME 比例 SCALE: 1:1 型号 TGG. 4BP. 324. KWLAD142	TGG-4BP直式插头(不带护套式尾帽) TGG-4BP Straight Plug (without jacketed tail cap)	
FIRST ANGLE PROJECTION 		型号 PART NAME TGG. 4BP. 324. KWLAD142	TGG. 4BP. 324. KWLAD142	

1	2	3	4	5	6	7	8		
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: $75\text{dB}(10\text{MHz})\ 40\text{dB}(1\text{GHz})$ 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: $\phi 13.1\text{mm}-\phi 14.0\text{mm}$  2. 电气性能 Insert Configuration/针芯配置: $4\text{BP. } 324\ 24\text{Low Voltage}$ Pin Size/接触件直径: $\phi 0.9\text{mm}$ Contact resistance接触电阻: $\leq 9\text{m}\Omega$ Insulation resistance/绝缘电阻: $5000\text{M}\Omega$ (测试电压 $500\text{V}(\text{DC})$ ) Withstand voltage/耐电压: $1200\text{V}(\text{AC})$ Rated working current额定工作电流: $7.0\text{A}$  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/描述内容 DATE/日期 DRAWN BY/绘制				
DRAWN BY: 绘图: P003 2024.05.28 CHECKED BY: 审核: Z01 2024.05.28 APPROVED BY: 核准: P005 2024.05.28 GENERAL TOLERANCE (UNLESS SPECIFIED) $\leq 10\ \pm 0.1$ $< 10^{\circ} \leq 20\ \pm 0.15$ $< 20^{\circ} \leq 50\ \pm 0.3$ Angle $\pm 1^{\circ}$					单位 UNIT: mm 名称 PART NAME 比例 SCALE: 1:1 型号 TGG. 4BP. 324. KWLAD142			TGG-4BP直式插头(不带护套式尾帽) TGG-4BP Straight Plug (without jacketed tail cap)	
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1	2	3	4	5	6	7	8		