

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:  $96\text{hr}$

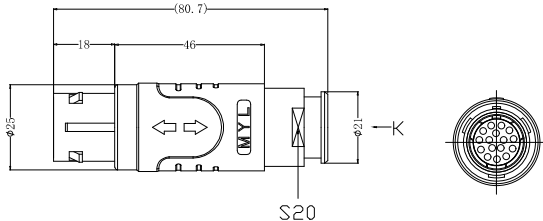
Mechanical data/机械特性:

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:  $\phi 10.1\text{mm}-\phi 11.0\text{mm}$



2. 电气性能

Insert Configuration/针芯配置:  $4\text{BP.316 16Low Voltage}$

Pin Size/接触件直径:  $\phi 0.9\text{mm}$

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:  $1350\text{V}(\text{AC})$

Rated working current额定工作电流:  $10.0\text{A}$

Other Specification/其它规格:

Contact PIN/接触体: Gold plated Tin bronze/锡青铜镀金

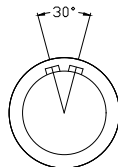
Housing Material/外壳材质: PEEK

Other Shell Material/其它壳体材质: 铜镀镍

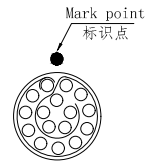
Insulator material/绝缘体材料: PPS

IP Rating/防护等级:  $\text{IP50}$

\*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

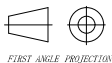
REV/版本	DESCRIPTION/变更内容	DATE/日期	DRAWN BY/设计

DRAWN BY: 绘图: P003	2024.05.28
CHECKED BY: 审核: Z01	2024.05.28
APPROVED BY: 核准: P005	2024.05.28



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

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



FIRST ANGLE PROJECTION

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

TG-4BP直式插头(带护套式尾帽)  
TG-4BP Straight Plug  
(with jacketed tail cap)

TGG. 4BP. 316. KWLAD112Z

REV/版本	A1	SHEET: 1 OF 1
--------	----	---------------