

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

Operating Temperature/工作温度 : -55°C~150°C

Humidity(max)/最大潮湿 : <=95% [at 60 deg C / 140 F]

Shielding /屏蔽性能 : 75dB(10MHz) 40dB(1GHz)

Salt Spray Corrosion/盐雾 : 96hr

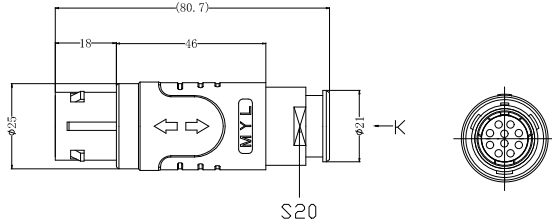
Mechanical data/机械特性:

Vibration/振动 : 15g[10Hz~2000Hz]

Shock Resistance/冲击 : 100g[6ms]

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: 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:  $5000\Omega$  (测试电压500V(DC))

Withstand voltage/耐电压: 1850V (AC)

Rated working current额定工作电流: 17.0A

Other Specification/其它规格:

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

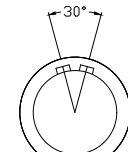
Housing Material/外壳材质 : PEEK

Other Shell Material/其它壳体材质: 铜镀镍

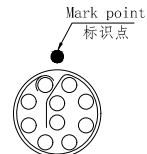
Insulator material/绝缘体材料: PPS

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



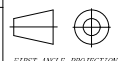
view K  
K向孔位排列

DRAWN BY: 绘图: P003	2024. 05. 28
CHECKED BY: 审核: Z01	2024. 05. 28
APPROVED BY: 核准: P003	2024. 05. 28



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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
比例 SCALE: 1: 1
型号 SIZE: A4

名称 PART NAME	TG-4BP 直式插头 (带护套式尾帽) TG-4BP Straight Plug (with jacketed tail cap)
型号 PART NAME	TGA. 4BP. 310. KWLAD142Z

REV/版本	A1	SHEET: 1 OF 1
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