

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 deg C / 140 F]

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

Salt Spray Corrosion/盐雾: 96hr

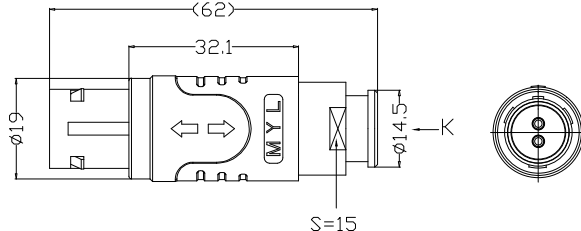
Mechanical data/机械特性:

Vibration/振动: 15g[10Hz~2000Hz]

Shock Resistance/冲击: 100g[6ms]

Endurance (Shell)/机械寿命: 5000+

Cable/配接电缆: $\phi 4.1\text{mm} - \phi 5.0\text{mm}$



2. 电气性能

Insert Configuration/针芯配置: 3BP.302 2Low Voltage

Pin Size/接触件直径: $\phi 3.0\text{mm}$

Contact resistance接触电阻: $\leq 3\text{m}\Omega$

Insulation resistance/绝缘电阻: 5000M Ω (测试电压500V(DC))

Withstand voltage/耐电压: 2100V(AC)

Rated working current额定工作电流: 35.0A

Other Specification/其它规格:

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

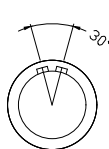
Housing Material/外壳材质: PEEK

Other Shell Material/其它壳体材质: 铜镀镍

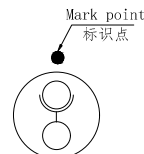
Insulator material/绝缘体材料: PPS

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

REV/版本	DESCRIPTION/变更内容	DATE/日期	DRAWN BY/绘图
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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)	
≤ 10	± 0.1
$< 10 \sim \leq 20$	± 0.15
$< 20 \sim \leq 50$	± 0.3
Angle	$\pm 1^{\circ}$

		美易连电子科技(深圳)有限公司	
		Meiyilian electronic technology(shenzhen)Co.,Ltd.	
 FIRST ANGLE PROJECTION	单位 UNIT: mm	名称 PART NAME	TG-3BP直式插头(带护套式尾帽)
	比例 SCALE: 1:1	型号 PART NAME	TG-3BP Straight Plug (with jacketed tail cap)
尺寸 SIZE: M	图号 SHEET: 1 OF 1	型号 PART NAME	TGA. 3BP. 302. KWLD52Z