

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:  $\phi 4.1\text{mm}-\phi 5.0\text{mm}$

2. 电气性能

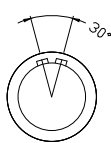
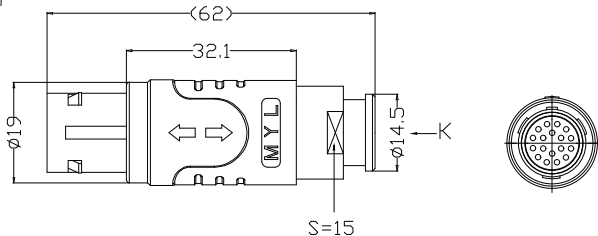
Insert Configuration/针芯配置:3BP.318 18Low Voltage  
 Pin Size/接触件直径: $\phi 0.9\text{mm}$   
 Contact resistance接触电阻:  $\leq 6\text{m}\Omega$   
 Insulation resistance/绝缘电阻:5000M $\Omega$  (测试电压500V(DC))  
 Withstand voltage/耐电压:1200V(AC)  
 Rated working current额定工作电流:7.0A

Other Specification/其它规格:

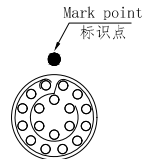
Contact PIN/接触体 : Gold plated Tin bronze/锡青铜镀金  
 Housing Material/外壳材质 : PEEK  
 Other Shell Material/其它壳体材质 : 铜电镀  
 Insulator material/绝缘体材料: PPS  
 IP Rating/防护等级 : IP50

\*ALL MATERIALS ARE RoHS COMPLIANT/所有材料均符合RoHS要求.

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



Plug front view  
插头前视图



view K  
K向孔位排列

DRAWN BY: 绘图:PD03	2024.05.28
CHECKED BY: 审核:Z01	2024.05.28
APPROVED BY: 核准:PD05	2024.05.28



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GENERAL TOLERANCE (UNLESS SPECIFIED)	$\leq 10 \pm 0.1$ $< 10^\circ \leq 30 \pm 0.15$ $< 20^\circ \leq 50 \pm 0.3$ Angle $\pm 1^\circ$
FIRST ANGLE PROJECTION	

UNIT: mm	名称	TG-3BP直式插头(不带护套式尾帽)
SCALE: 1:1	PART NAME	TG-3BP Straight Plug (without jacketed tail cap)
SIZE: M4	型号	TGA. 3BP. 318. KWLD52Z
REV/版本 A1	SHEET: 1 OF 1	PART NAME