

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: $<95\%$ [at $60^{\circ}\text{C} / 140^{\circ}\text{F}$]

Shielding /屏蔽性能: $75\text{dB}(10\text{MHz}) \quad 40\text{dB}(1\text{GHz})$

Salt Spray Corrosion/盐雾: 96hr

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: $5000+$

2. 电气性能

Insert Configuration/针芯配置: $3\text{BP}.322 \quad 22\text{Low Voltage}$

Pin Size/接触件直径: $\phi 0.7\text{mm}$

Contact resistance接触电阻: $\leq 4.5\text{m}\Omega$

Insulation resistance/绝缘电阻: $5000\text{M}\Omega$ (测试电压 $500\text{V}(\text{DC})$)

Withstand voltage/耐电压: $1000\text{V}(\text{AC})$

Rated working current额定工作电流: 5.5A

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

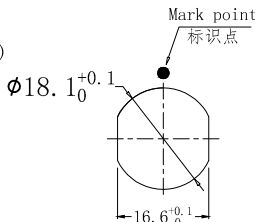
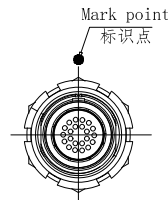
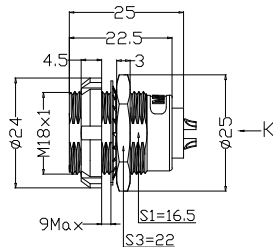
Other Shell Material/其它壳体材质: 铜镀镍

Insulator material/绝缘体材料: PEEK

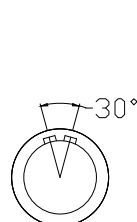
IP Rating/防护等级: IP50

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

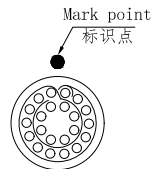
| REV/版本 | DESCRIPTION/变更内容 | DATE/日期 | DRAWN BY/制图 |
|--------|------------------|---------|-------------|
| | | | |



Panel cut-outs
建议安装开孔尺寸



Socket front view
插座前视图



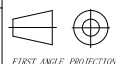
view K
K向孔位排列

| | |
|--------------------------|--------------|
| 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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Meiyilian electronic technology (shenzhen) Co., Ltd.

| | |
|---|---------------------------|
| GENERAL TOLERANCE (UNLESS SPECIFIED) | UNIT: mm |
| $\leq 10 \pm 0.1$ | 名称 PART NAME |
| $< 10^{\circ} \leq 20^{\circ} \pm 0.15$ | ZCA-3BP 双螺母插座 |
| $< 20^{\circ} \leq 50^{\circ} \pm 0.3$ | ZCA-3BP Double nut socket |
| Angle $\pm 1^{\circ}$ | 型号 PART NAME |
| | ZCA. 3BP. 322. KWKL |



FIRST ANGLE PROJECTION

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