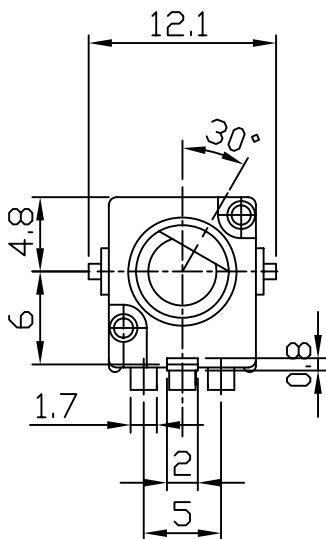
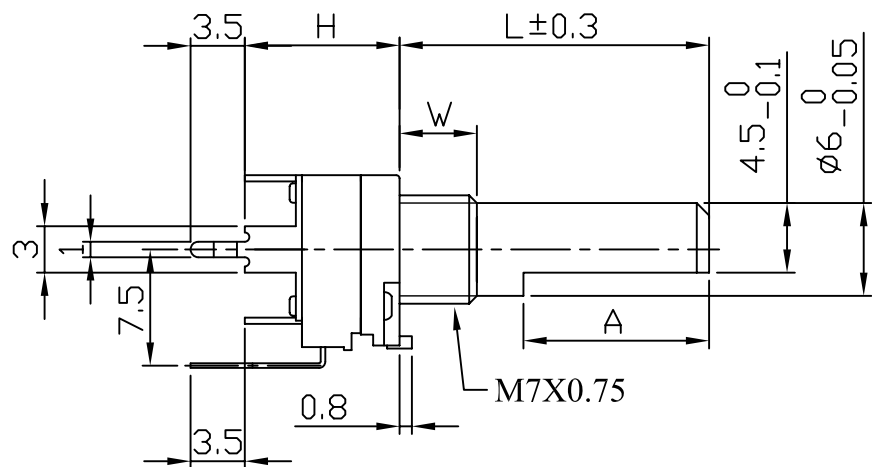
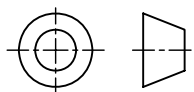


电位器规格书

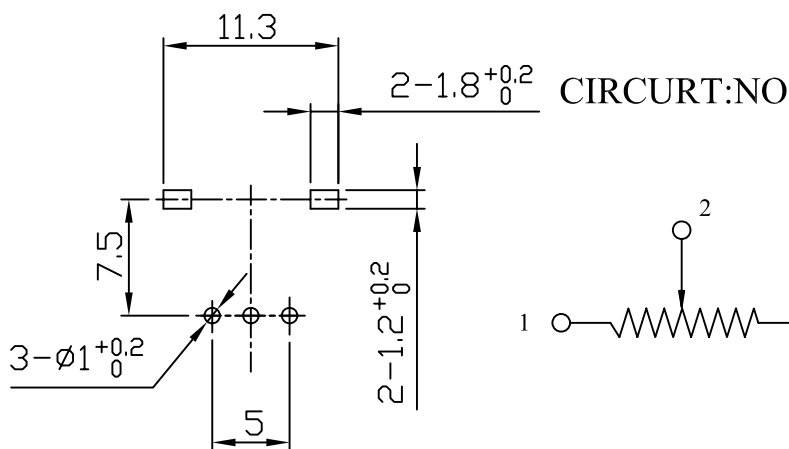
POTENTIOMETER SPECIFICATIONS

| | |
|--|---|
| 1 一般事项 General information | |
| 1-1 适用型号 Applicable models | R095、R096、R097、R098、R09J、R09P、R09B 系列 R095/R096/R097/R098/R09J/R09P/R09B Serial |
| 1-2 使用环境温度 Usage environment temperature | <input type="checkbox"/> - 10℃ ~ + 70℃ <input checked="" type="checkbox"/> - 20℃ ~ + 70℃ |
| 1-3 保存环境温度 Storage environment temperature | - 40℃ ~ + 85℃ |
| 1-4 测试条件 Test condition | 温度: 5~35℃, 湿度: 45~85%HR Temperature: 5~35℃, Moisture: 45~85%HR |
| 1-5 环保要求 Environmental requisition | 本产品符合 RoHS 指令 This product is compliant with RoHS Directive |
| 1-6 耐焊接热 Soldering heat-resistance | 1、手工焊接温度最高 350℃ ± 5℃, 3 秒; 2、自动焊接温度最高 260℃ ± 5℃, 3 秒; 基板表面预热温度最高 100℃, 1 分钟以内; 3、以上过程均保证在 1 到 2 次。 1. Soldering iron Max ,350℃ ± 5℃ at 3 sec 2. Auto soldering 260℃ ± 5℃ max. at 3 Sec. Preheating temperature of board surface: 100℃ max. at within 1 minutes. 3. To guarantee the above process at 1 or 2 times. |
| 1-7 原产地 Country of origin | 中国 China |
| 2 构造 Construction | |
| 2-1 外观 Appearance | 各部件应完整, 无锈蚀、裂痕、电镀不良 Every part should finished, not exist rust flaw crack and bad plating |
| 2-2 寸法 Measurements | 依照图面规定 Under conditions prescribed by design drawing. |
| 3 机械性能 Mechanical characteristics | |
| 3-1 全回转角度 Total rotational angle | <input checked="" type="checkbox"/> 300° ± 10° <input type="checkbox"/> _____ |
| 3-2 回转力矩 Rotational torque | 10~200gf.cm (旋转速度: 60° /1 秒) 10~200gf.cm (Rotational velocity : 60° /1 Sec.) |
| 3-3 CC 脱出力 Detent torque | 80~250gf.cm |
| 3-4 CC 点数 Detent quantity | <input checked="" type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 21 <input type="checkbox"/> 41 <input type="checkbox"/> _____ |
| 3-5 回转止动强度 Rotational stopper strength | <input checked="" type="checkbox"/> ≥ 3Kgf.cm <input type="checkbox"/> ≥ 8Kgf.cm <input type="checkbox"/> ≥ 4Kgf.cm <input type="checkbox"/> ≥ 5Kgf.cm |
| 3-6 轴压引强度 Pull-Push Strength of Shaft | <input checked="" type="checkbox"/> ≥ 8Kgf <input type="checkbox"/> ≥ 10Kgf |
| 3-7 螺母锁紧强度 Nut tightening strength | ≥ 10Kgf.cm |
| 3-8 轴摇晃度 Shaft wobble | 在单个轴芯顶端施加 250gf, 轴径向偏移量小于: 0.7*轴长 L 尺寸/20mm On the tip of the single shaft exert 250gf , Shaft radial deviant be smaller than: 0.7*shaft long L size/20mm |
| 4 电气性能 Electrical characteristics | |
| 4-1 全阻抗值 Total resistance | <input checked="" type="checkbox"/> 10 KΩ ± 20% <input type="checkbox"/> _____ KΩ ± 10% <input type="checkbox"/> _____ KΩ + _____ % / - _____ % |
| 4-2 阻抗变化特性 Resistance taper | <input type="checkbox"/> A <input checked="" type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> _____ |

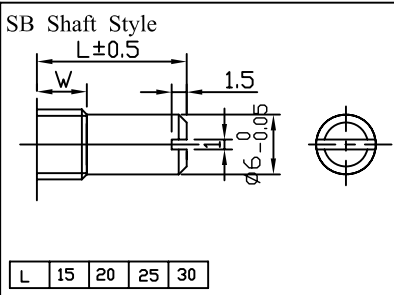
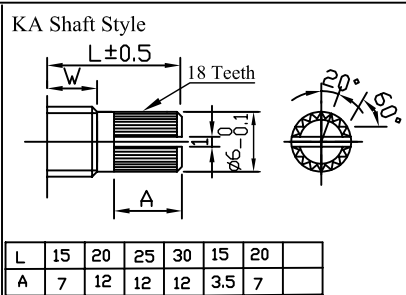
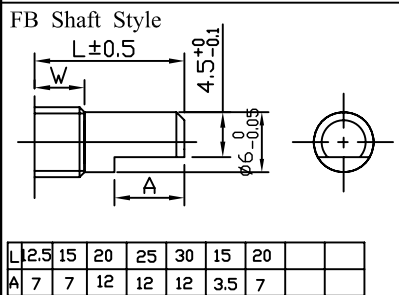
| | | | | |
|--|---|-------------------|------------------|-------------------|
| 4-3 残留阻抗值 (端子: 1-2, 2-3) End resistance (Terminal :1-2, 2-3) | $R \leq 10K \Omega$; $\leq 10 \Omega$; $10K \Omega < R \leq 250K \Omega$; $\leq 20 \Omega$; $R > 250K \Omega$; $\leq 0.1\%R$ | | | |
| 4-4 定格电力 Ratings power | B 线性: 0.05W, 其它线性: 0.025W B Taper : 0.05W, Other taper : 0.025W | | | |
| 4-5 最高使用电压 Maximum operating voltage | B 线性: 20V DC 或 50V AC, 其它线性: 12V DC 或 25V AC B Taper : 20V AC or 50V AC, Other taper : 12V DC or 25V AC | | | |
| 4-6 滑动杂音 Slider noise | <100mV | | | |
| 4-7 同步误差 Gang error | <input type="checkbox"/> $\pm 4dB$ (-40dB~0dB) <input type="checkbox"/> $\pm 3dB$ (-40dB~0dB) *只适用于双联 *Apply the Dual-Unit only | | | |
| 4-8 绝缘抵抗 Insulation resistance | 250V DC, >100M Ω | | | |
| 4-9 耐电压 Voltage proof | 300V AC 1 分钟以上 1 Minute at 300V AC | | | |
| 4-10 回转寿命 Rotational life | <input checked="" type="checkbox"/> 10,000 cycles <input type="checkbox"/> 15,000 cycles <input type="checkbox"/> 30,000 cycles 注: 无负荷状态以每小时 600 周旋转, 允许阻值最大变化 $\pm 15\%$ 。 On the without load status according to the 600 r./h rotation, permissible resistance change $\pm 15\%$ max. | | | |
| 5 开关性能 Switch characteristics | | | | |
| <input type="checkbox"/> 适用 <input checked="" type="checkbox"/> 不适用 Apply No apply | | | | |
| 5-1 开关型式 Switch type | <input type="checkbox"/> 旋转式 <input type="checkbox"/> 按压复位式 Rotate type Push-Push type | | | |
| 5-2 开关回路 Switch circuit | 单极单投 S.P.S.T | | | |
| 5-3 开关定格电力 Switch ratings power | 旋转开关: 12V DC 1A 按压复位开关: 12V DC 0.5A Rotate switch: 12V DC 1A Push-Push switch: 12V DC 0.5A | | | |
| 5-4 开关接触电阻 Switch contact resistance | 寿命初期: 100 m Ω 最大, 开关 10,000 次以后: 最大 1 Ω The life initial stage: 100 m Ω max., after on-off 10,000 cycles: 1 Ω max. | | | |
| 5-5 开关工作角度或行程 Switch working angle or track | 旋转开关: 50° \pm 10° 按压复位开关行程: 0.5mm 或 1.5mm, 具体参照图纸 Rotate switch: 50° \pm 10° . Push-Push switch track: 0.5mm or 1.5mm, specific reference to the drawing. | | | |
| 5-6 开关工作力矩 Switch working torque | 旋转开关: 最大 800gf.cm 按压开关: 700 \pm 300gf Rotate switch: 800gf.cm max. Push-Push switch: 700 \pm 300gf | | | |
| 5-7 开关寿命 Switch life | 10,000 cycles | | | |
| 6 防水性能 Waterproof characteristics | | | | |
| 6-1 防水标准 Waterproof standard | <input checked="" type="checkbox"/> 不适用 No apply <input type="checkbox"/> 七级防水 电位器轴芯轴套置于水中 1 米深处, 其它部件密封后暴露在标准大气压中, 30 分钟后电位器内部未进水。 Grade -7 of Waterproof standard Potentiometer's Shaft and Bush in 1M deep of water, other component sealed after be exposed to the standard atmosphere, after 30 minutes no water into the Potentiometer' inner. | | | |
| 东莞市长泰尔电子有限公司 DONG GUAN CHANG TAI ER ELECTRONIC CO., LTD. | | 制作 Designed By | 审核 Checked By | 核准 Approved By |
| | | | | |



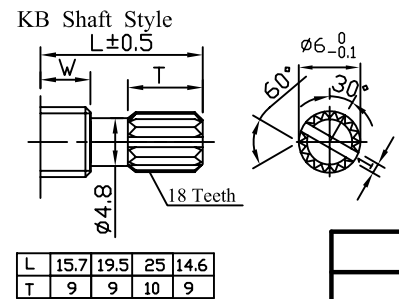
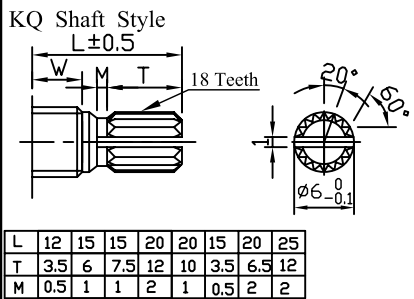
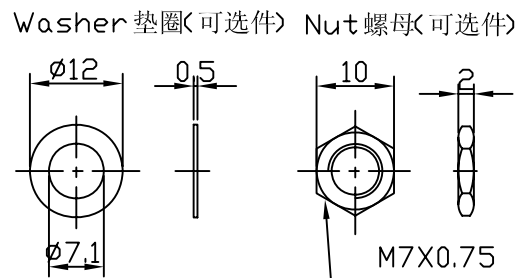
Mounting hole detail



轴的类型:



| product code | W | H |
|--------------|----|-----|
| R09512NO | 5 | 10 |
| R09522NO | 7 | 10 |
| R09532NO | 10 | 10 |
| R09542NO | 5 | 7.5 |
| R09552NO | 7 | 7.5 |
| R09562NO | 10 | 7.5 |



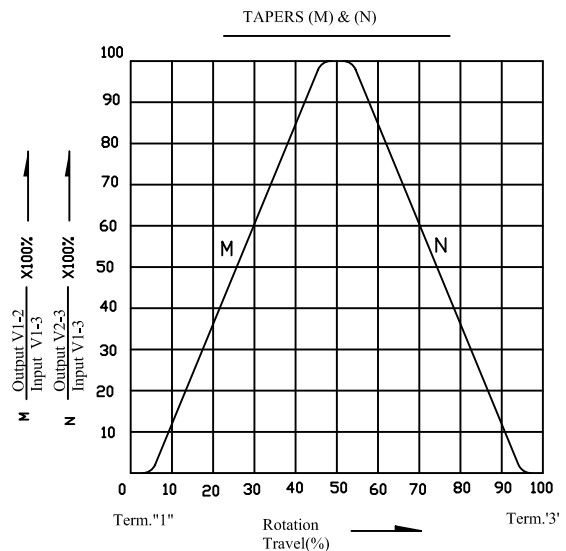
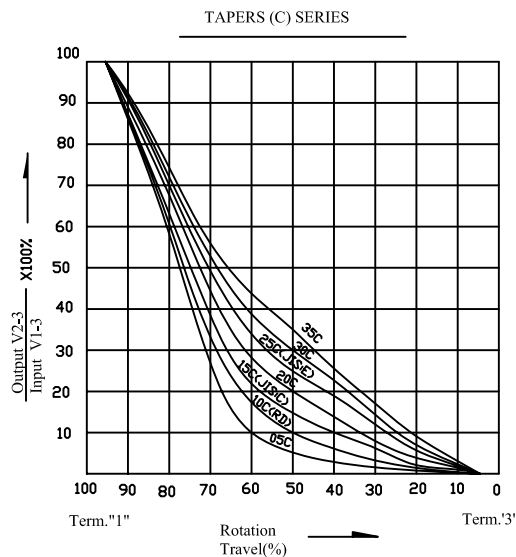
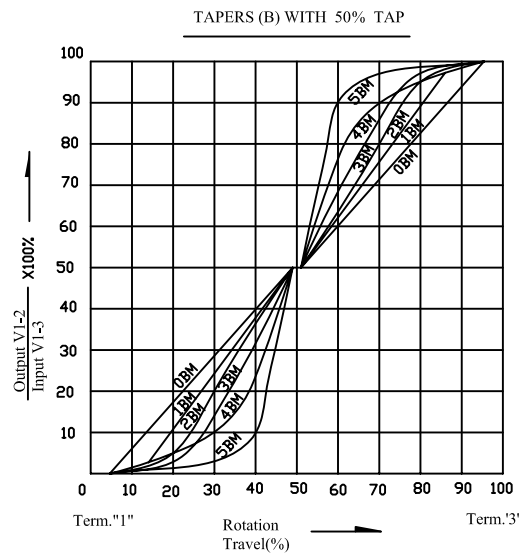
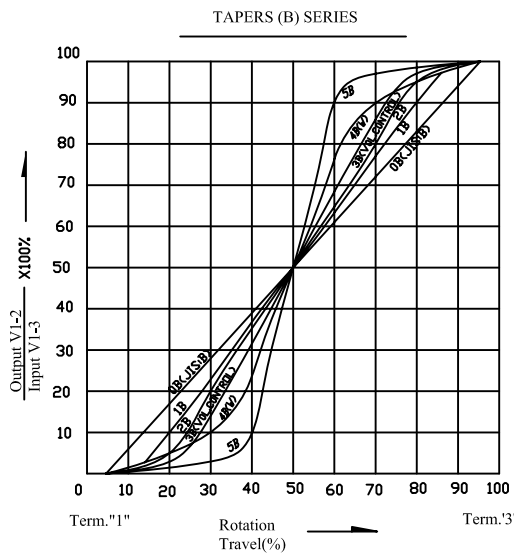
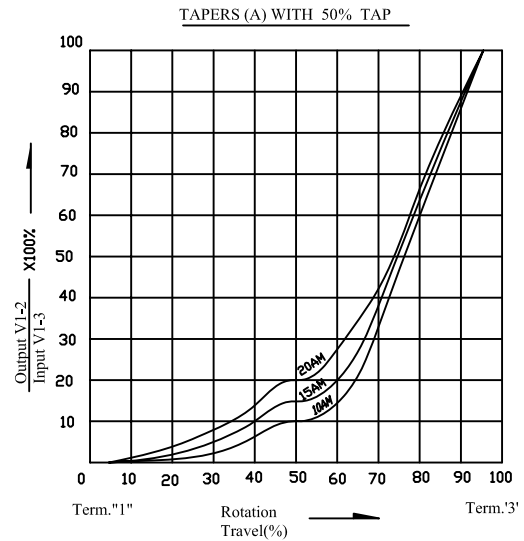
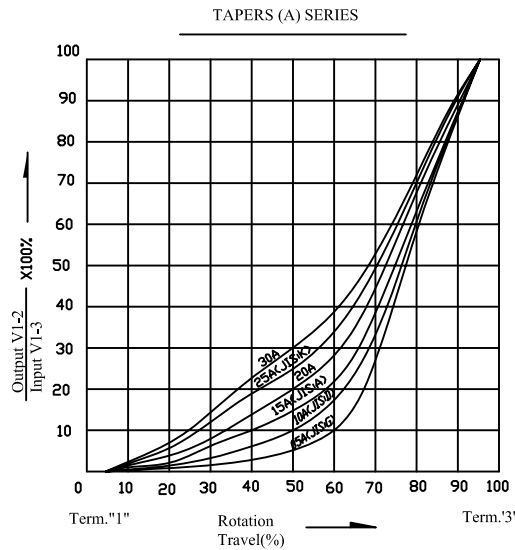
| 未注尺寸公差 | |
|---------------|------|
| L ≤ 1.0时 | ±0.1 |
| 1.0 < L ≤ 10时 | ±0.3 |
| 10 < L ≤ 30时 | ±0.5 |
| 30 < L ≤ 100时 | ±1.0 |

| | | | | | | | | |
|--------------|--------------|----|-----|----|----|----|--|--|
| 东莞市长泰尔电子有限公司 | | | | | | | | |
| 比例 | 2:1 | 版本 | 1.2 | 设计 | 审核 | 批准 | | |
| 品名 | R095□2NO 组立图 | | | | | | | |
| 图号 | R095□2NO- | | | | | | | |

东莞市长泰尔电子有限公司

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阻抗变化特性 Resistance tapers



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[RK14K1220-F25-C1-B103](#) [14910FBGLFY00103KA](#) [C0342008 5K](#) [J97589](#) [RV170F-10-15R1-B500K-0021](#) [917523A](#) [A43-40](#) [A43-750](#)
[A43S-5](#) [A47-15K](#) [A47-1K](#) [A4750K](#) [SPPG056P103U](#) [SWE-10](#) [GA2G040F103BA](#) [GA2G056S503UA](#) [GA2G056S504UA](#) [GA2L040S502UC](#)
[GA2L040S503UC](#) [POT-3217-02 \(MW22S-3217-500\)](#)