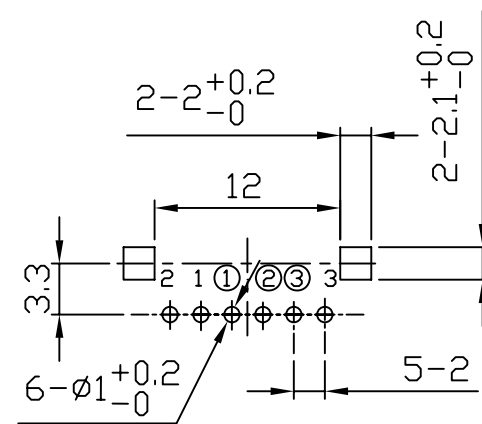
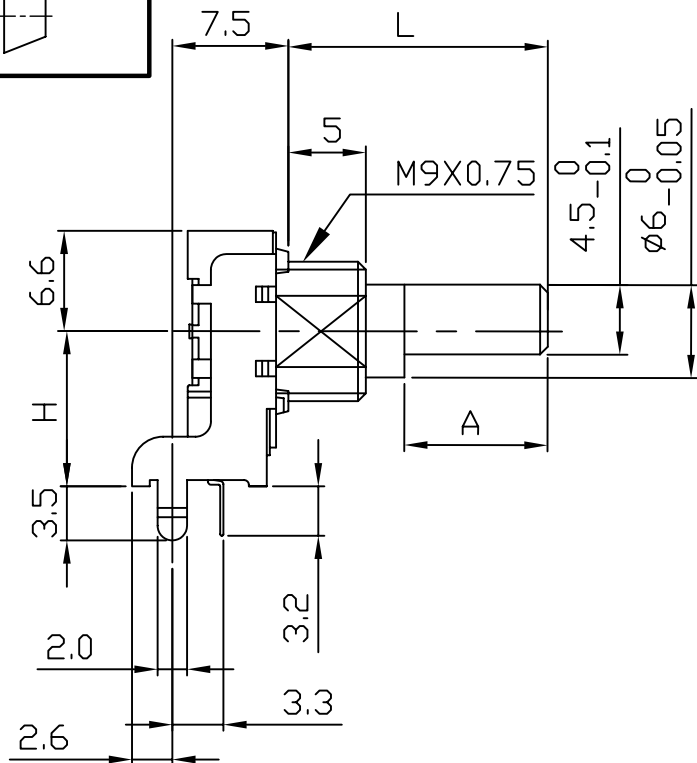
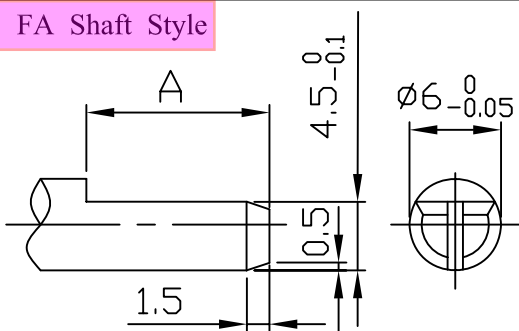
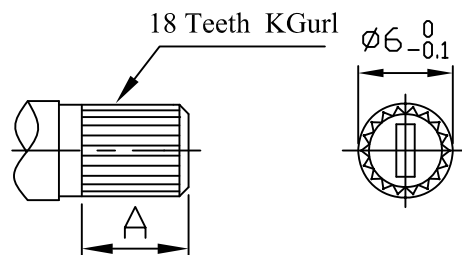
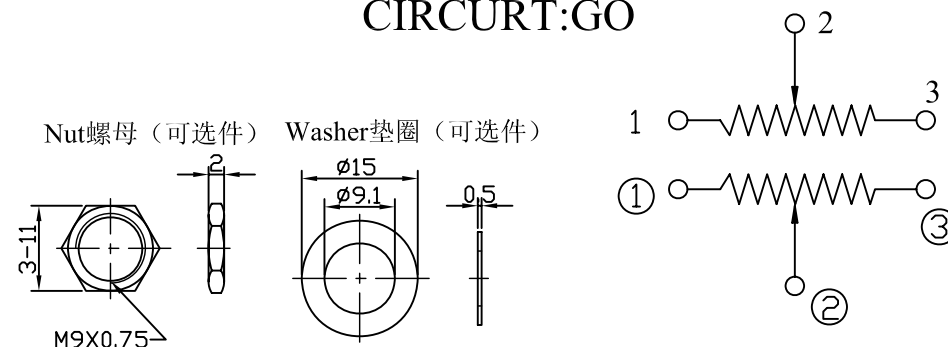


电位器规格书 POTENTIOMETER SPECIFICATIONS	
1 一般事项 General information	
1-1 适用型号 Applicable models	R111 系列 R111 Serial
1-2 使用环境温度 Usage environment temperature	☒ - 10℃ ~ + 70℃ ☐ - 20℃ ~ + 70℃
1-3 保存环境温度 Storage environment temperature	☒ - 20℃ ~ + 70℃ ☐ - 40℃ ~ + 70℃
1-4 测试条件 Test condition	温度: 5~35℃, 湿度: 45~85%HR 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; 4、不适用回流焊。 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. 4. No apply the reflow soldering.
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	300° ±10°
3-2 回转力矩 Rotational torque	20~200gf.cm (旋转速度: 60° /1 秒) 20~200gf.cm (Rotational velocity : 60° /1 Sec.)
3-3 CC 脱出力 Detent torque	40~250gf.cm
3-4 CC 点数 Detent quantity	☒ 0 ☐ ____

3-5 回转止动强度 Rotational stopper strength	≥3Kgf.cm			
3-6 轴压引强度 Pull-Push Strength of Shaft	≥5Kgf			
3-7 螺母锁紧强度 Nut tightening strength	≥8Kgf.cm *只适用带轴套的型号 Apply the model have bushing only.			
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	☒ 10 KΩ ±20% ☐ KΩ ±10% ☐ KΩ + ___%/- ___%			
4-2 阻抗变化特性 Resistance taper	☐ A ☒ B ☐ C ☐ ____			
4-3 残留阻抗值（端子：1-2，2-3） End resistance（Terminal :1-2, 2-3）	$R \leq 10K\Omega$ ：≤10Ω； $10K\Omega < R \leq 250K\Omega$ ：≤20Ω； $R > 250K\Omega$ ：≤0.1%R			
4-4 定格电力 Ratings power	0.05W			
4-5 最高使用电压 Maximum operating voltage	20V DC 或 50V AC 20V DC or 50V AC			
4-6 滑动杂音 Slider noise	<100mV			
4-7 同步误差 Gang error	☒ ±4dB（-40dB~0dB） ☐ ±3dB（-40dB~0dB） *只适用于双联 Apply the Dual-Unit only			
4-8 绝缘抵抗 Insulation resistance	250V DC，>100MΩ			
4-9 耐电压 Voltage proof	250V AC 1 分钟以上 1 Minute at 250V AC			
4-10 回转寿命 Rotational life	☒ 10,000 cycles ☐ 15,000 cycles 注：无负荷状态以每小时 600 周旋转，允许阻值最大变化±15%。 On the without load status according to the 600 r/h rotation, permissible resistance change ±15% max.			
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



轴的类型:

TB Shaft StyleCIRCURT:GO

product code

H

R111A1GO

10

R111B1GO

12.

未注尺寸公差

L≤1.0时	±0.1
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1. $0 < L \leq 10$ 时	± 0.3
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10<L≤30时	±0.5
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30<L ≤100时	±1.0
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比例

2:1

版本

1.1

设计

审核

批准

品名

R111□1GO 组立图

图号

R111□1GO-

工程部

2019.01.09

谢敏

工程部

2019.01.09

喻钊

工程部

2019.01.09

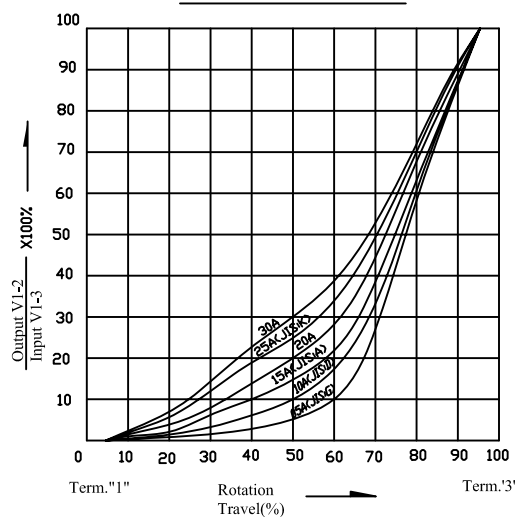
彭先炎

东莞市长泰尔电子有限公司

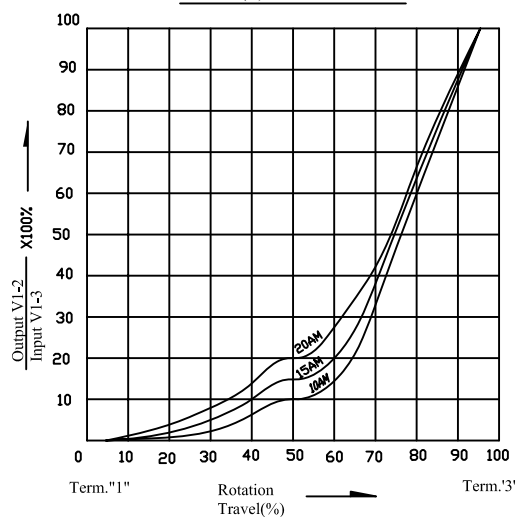
DONG GUAN CHANG TAIER ELECTRONIC CO., LTD

阻抗变化特性 Resistance tapers

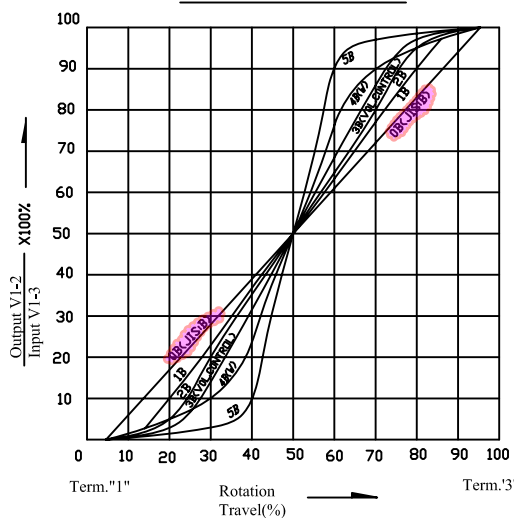
TAPERS (A) SERIES



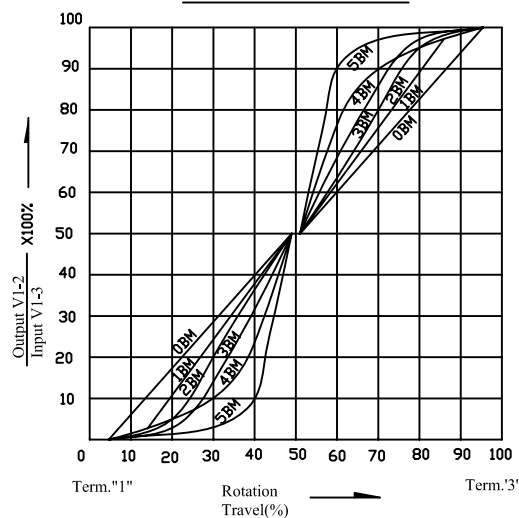
TAPERS (A) WITH 50% TAP



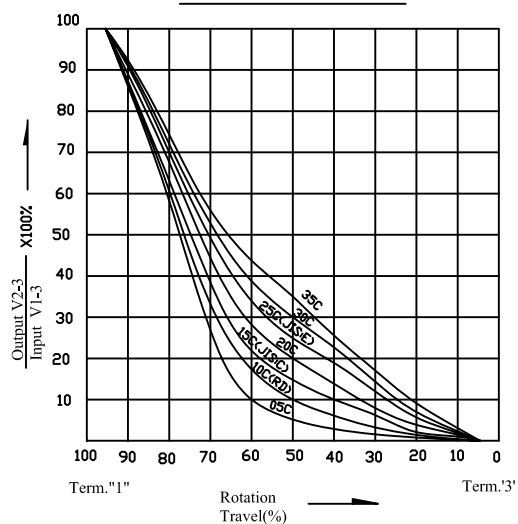
TAPERS (B) SERIES



TAPERS (B) WITH 50% TAP



TAPERS (C) SERIES



TAPERS (M) & (N)

