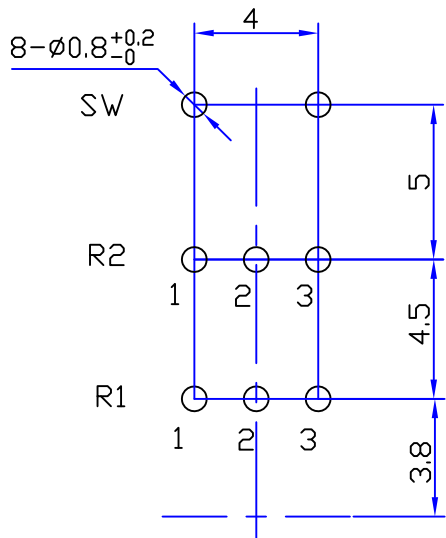
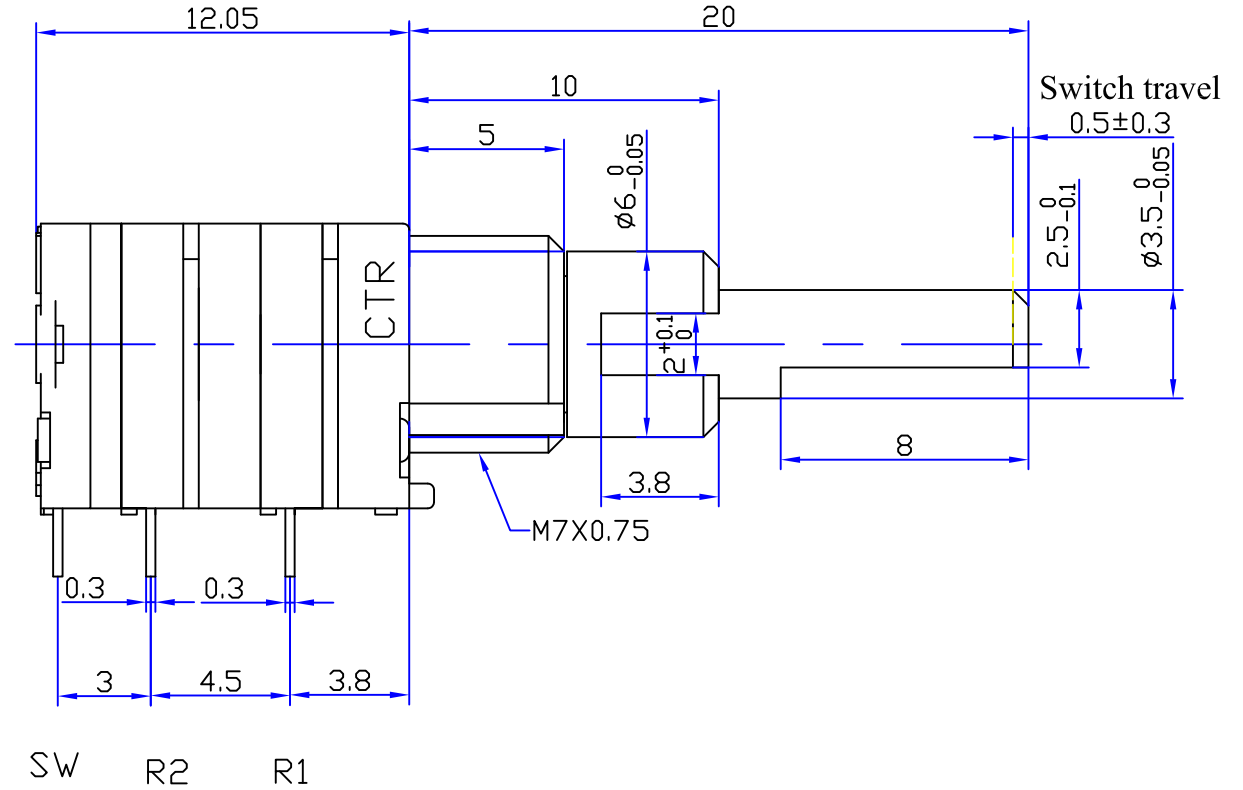
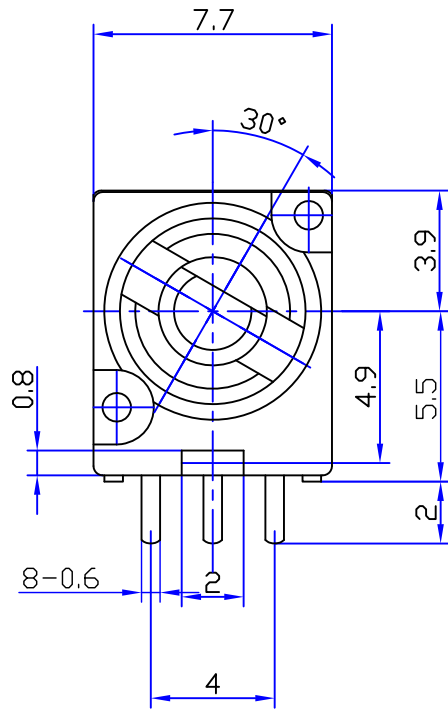
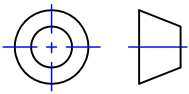




编码器电位器复合规格书

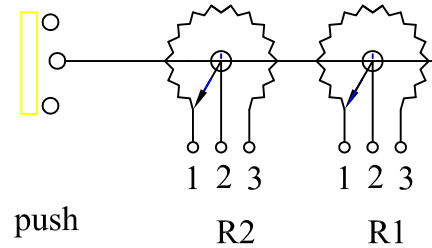
ENCODER&POTENTIOMETER COMPOUND SPECIFICATIONS

1 一般事项 General information	
1-1 适用型号 Applicable models	R084 电位器复合系列 R084 Potentiometer compound Serial
1-2 使用环境温度 Usage environment temperature	<input type="checkbox"/> - 20℃ ~ + 70℃ <input type="checkbox"/> - 30℃ ~ + 70℃
1-3 保存环境温度 Storage environment temperature	- 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; Soldering iron Max ,350℃ ± 5℃ at 3 sec 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 分内; Auto soldering 260℃ ± 5℃ max. at 3 Sec. Preheating temperature of board surface: 100℃ max. at within 1 minutes. 3、以上过程均保证在 1 到 2 次。 To guarantee the above process at 1 or 2 times. 4、不适用回流焊。 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 电位器全回转角度 Total rotational angle of Potentiometer	300° ± 10°
3-2 电位器回转力矩 Rotational torque of Potentiometer	20~120gf.cm
3-3 电位器 CC 点数量 Detent quantity of Potentiometer	<input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> _____
3-4 电位器 CC 脱出力 Detent torque of Potentiometer	50~250gf.cm 此项要求在电位器 CC 点数量非“0”时适用 The item apply when the Potentiometer's detent quantity be not “0”.
3-5 电位器回转止动强度 Rotational stopper strength of Potentiometer	3Kgf.cm
3-6 轴压引强度 Pull-Push Strength of Shaft	≥8Kgf.cm
3-7 螺母锁紧强度 Nut tightening strength	≥8Kgf.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: 0.5*轴长 L 尺寸/20mm On the tip of the single shaft exert 250gf , Shaft radial deviant be smaller than: 0.5*shaft long L size/20mm

4 电位器电气性能 Electrical characteristics of Potentiometer				
4-1 全阻抗值 Total resistance	R1 <u> 10 </u> K Ω \pm 10% R2 <u> 10 </u> K Ω \pm 10%			
4-2 残留阻抗值（端子：1-2, 2-3） End resistance (Terminal :1-2, 2-3)	R \leq 10K Ω : \leq 10 Ω ; 10K Ω <R \leq 250K Ω : \leq 20 Ω ; R>250K Ω : \leq 0.1% R			
阻抗变化特性 Resistance taper	<input type="checkbox"/> A <input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> _____			
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: 10V DC 或 50V AC, 其它线性: 5V DC 或 25V AC B Taper :10V AC or 50V AC, Other taper : 5V DC or 25V AC			
4-6 滑动杂音 Slider noise	<100mV			
4-7 绝缘抵抗 Insulation resistance	250V DC, >100M Ω			
4-8 耐电压 Voltage proof	300V AC 1 分钟以上 1 Minute at 300V AC			
4-9 回转寿命 Rotational life	<input type="checkbox"/> <u>10,000</u> cycles <input type="checkbox"/> <u>30,000</u> cycles 备注: 无负荷状态以每小时 600 周旋转, 允许阻值最大变化 \pm 15%。 Remarks: By without load status according to the 600 r/h rotation, permissible resistance change \pm 15% max.			
5 开关性能 Switch characteristics				
<input checked="" type="checkbox"/> 适用 <input type="checkbox"/> 不适用 Apply No apply				
6-1 开关型式 Switch type	按压式 Push type			
6-2 开关回路、 Switch configuration, Contact point	单刀单掷 S.P.S.T			
6-3 开关定格电力 Switch working angle	DC 12, 0.5A			
6-4 开关按压行程 Switch push travel	0.5+0.3/-0.3mm			
6-5 开关按压力 Switch push pressure	600 \pm 200gf			
6-6 开关接触电阻 Switch contact resistance	\leq 50m Ω , 寿命后 \leq 200m Ω \leq 50m Ω , afterlife cycle: \leq 200m Ω			
6-7 开关按压寿命 Operating life for momentary push switch	无负荷情况下每小时按压 600 次, 寿命 10,000 次, 寿命后: 1、耐电压 AC100V 1 分钟 (开关端子和本体之间), 绝缘阻抗无击穿; 2、开关按压力: 满足第 5-5 项; 3、外观和结构无损坏。 10,000 cycles under no load circumstances by 600 r/h of push, afterlife cycle: 1. Withstanding voltage: AC 100V at 1 minute (Between switch terminal – case). No subversion on insulation resistance. 2. Switch push pressure: Content item No. 5-5. 3. No damage on appearance and structure.			
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



 300° rotation, R1
 300° rotation, R2, SW



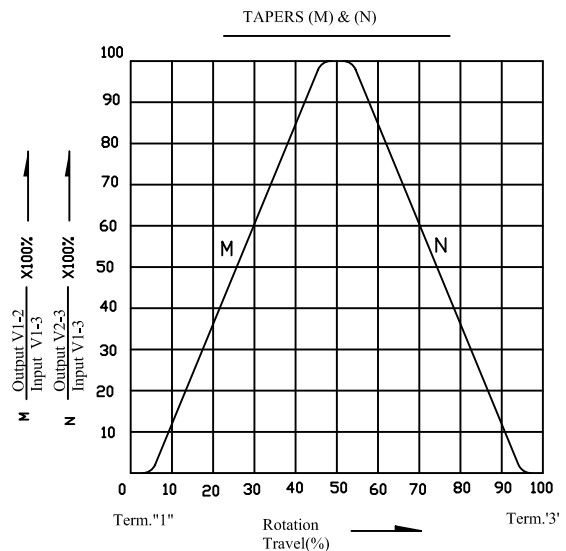
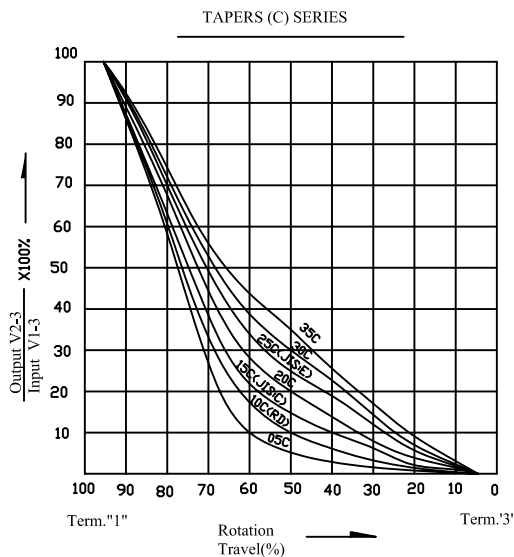
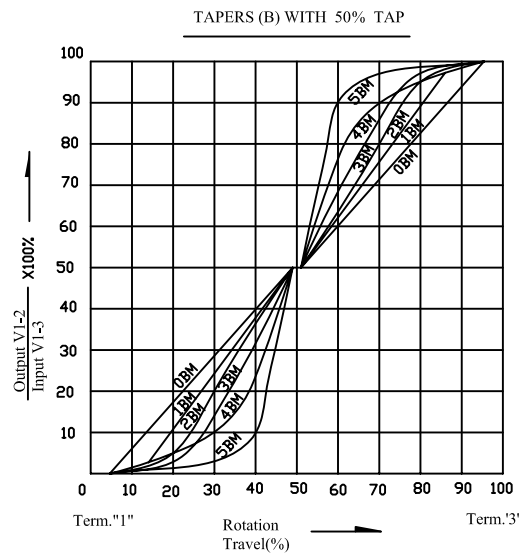
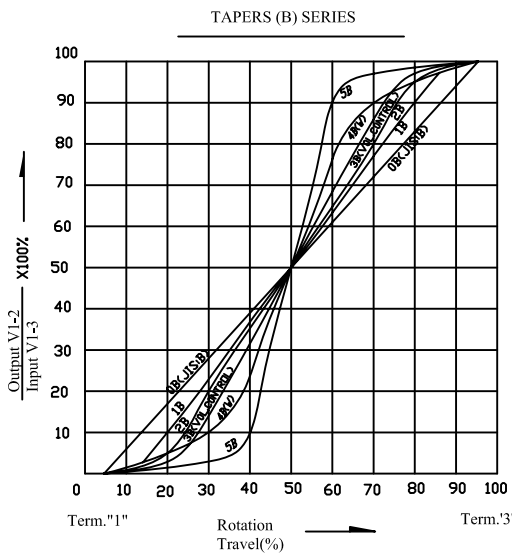
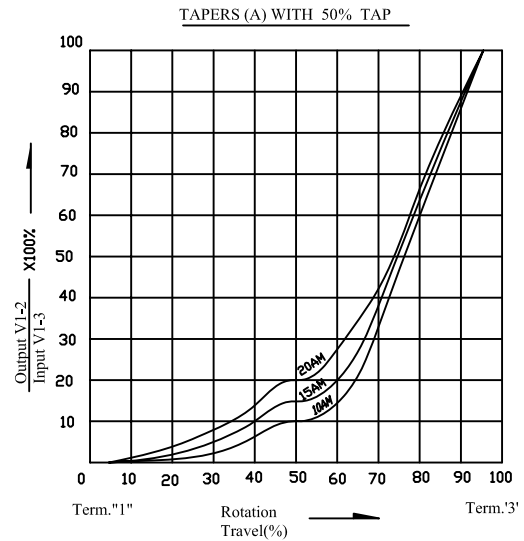
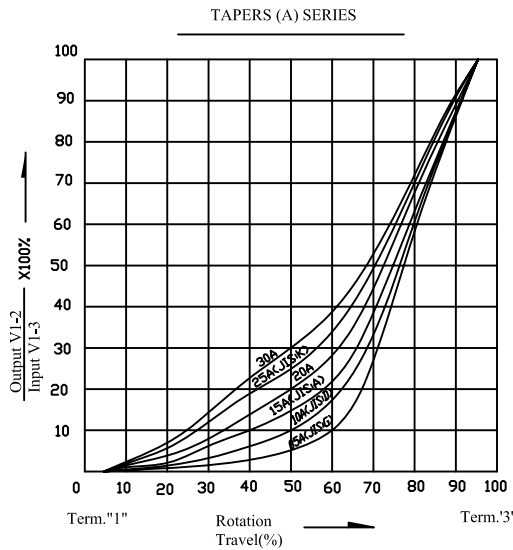
东莞市长泰尔电子有限公司

未注尺寸公差	比例	4:1	版本	1.0	设计	审核	批准
L≤1.0时 ±0.1	品名	R08401GM安装尺寸图					
1.0<L≤10时 ±0.3	图号	R08401GM-FF20C8.0-					
10<L≤30时 ±0.5							
30<L≤100时 ±1.0							

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



X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Potentiometers](#) category:

Click to view products by [CTR](#) manufacturer:

Other Similar products are found below :

[580SX4Q25F102SP](#) [580SX4Q25F103ZP](#) [58C2-2](#) [590SX1N32F103SS](#) [591SXJ48S252SC](#) [591SXP56S252SC](#) [591SXP56S503SC](#) [D31409](#)
[70B1G048K502X-A](#) [70B1M032S502W](#) [70B1N056S202W](#) [70B8N056F502W](#) [70J8N048S104U](#) [70L1N040P103W](#) [70L1N048P103X](#)
[70L1N048S103W](#) [GA2G056S101UA](#) [GA2G056S251UA](#) [GA2G056S501UA](#) [GA2L040S102UC](#) [GA2L040S103UC](#) [GA2L040S501UC](#)
[GS1G044P103UA](#) [GS1T032S103UA](#) [A43-1500](#) [A43-20K](#) [A47-200K](#) [A4720K](#) [RK14K1220-F25-C0-A103](#) [RK14K1220F25C0C104](#)
[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 \(MW22S-3217-500\)](#)