



一、旋轉式電位器系列技術規格書

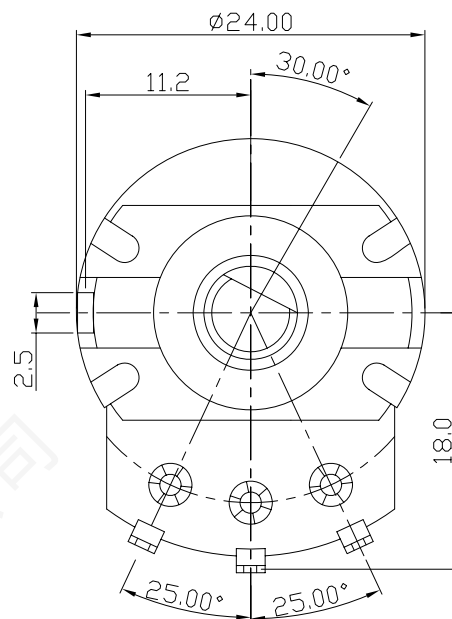
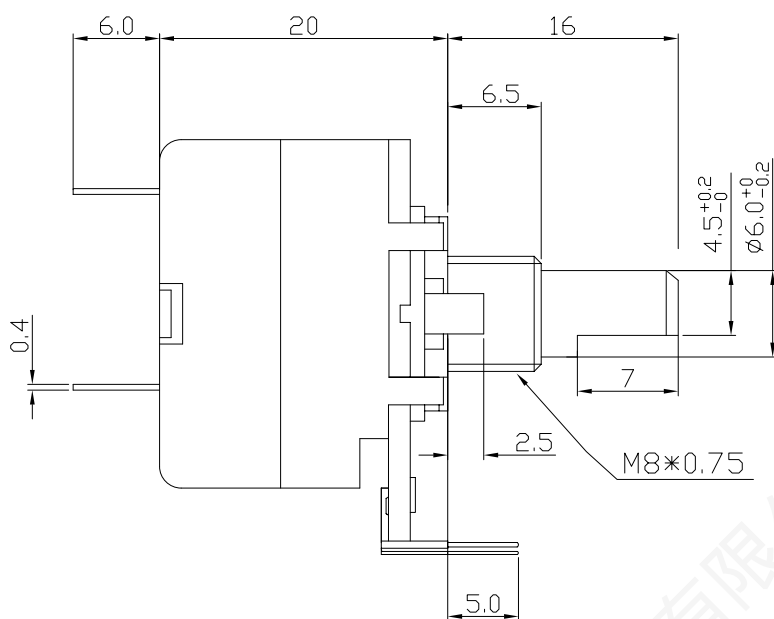
Rotary Series Potentiometers Technic Specifications

1. 電氣性能 (Electrical Characteristic)					
序号		项目		特性	
1.1		全阻抗值 (Total Resistance)		1K Ω to 2M Ω	
1.2		全阻抗值允许偏差 (Total Resistance Tolerance)		$\pm 10\%$, $\pm 20\%$	
1.3		電阻隨溫度變化特性 (Resistance of temperature change character)		20 $^{\circ}$ C-75 $^{\circ}$ C : $\Delta R/R \leq \pm 5\%$, -25 $^{\circ}$ C-20 $^{\circ}$ C : $\Delta R/R \leq \pm 4.5\%$	
1.4		阻值變化特性 (Resistance Taper)		A, B, C	
1.5		零位阻值 (Residual Resistance)		R>250K Ω 0.1%max. of total resistance 250K Ω >R>10K Ω 20 Ω 10K Ω ≥R 10 Ω max.	
1.6		額定功率 (Rated Power)		Curve B:0.5W Other than B:0.25W	
1.7		最高使用電壓 (Max. Operating Voltage)		AC 150V	
1.8		動雜音 (Rotational Noise)		Less Than 100mV	
1.9		絕缘阻抗 (Insulation Resistance)		More than 100M Ω at DC500V	
1.10		耐電壓 (Withstand Voltage)		1 minute at:500V AC	
1.11		開關額定功率 (Switch Rated Power)		1.0A at AC/DC 250V	
2. 機械性能 (Mechanical Characteristics)					
2.1		全回轉角度 (Rotation Angle)		300 $^{\circ}$ $\pm 10^{\circ}$	
2.2		旋轉力矩 (Rotation Torque)		20~200gf. cm	
2.3		軸的拉、押強度 (Pull-Push Strength)		6Kgf	
2.4		轉動止檔強度 (Rotational Stop-End Torque)		5kgf. cm	
2.6		焊錫耐熱性 (Resistance To Soldering Heat)		260 $\pm 5^{\circ}$ C and less than 3 seconds	
2.7		開關旋轉角度 (Switch Rotational angle)		50 $^{\circ}$ $\pm 10^{\circ}$	
2.8		開關操作力 (Switch Action)		150~450gf. cm	
3. 耐久性能 (Durability)					
3.1		使用溫度 (Operating Temperature Range)		-10 $^{\circ}$ C ~ +70 $^{\circ}$ C	
3.2		回轉壽命 (Rotation Life)		10,000Cycles	
4. 外形尺寸圖/曲線特性圖 (Shape size drawing/curve characteristic drawing)				見附頁 (Please see attachment)	
批 准		審 核		設 計	
				R & D 2020.07.27 Lisa	



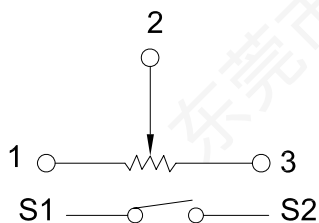


外形图 Mechanical Dimensions

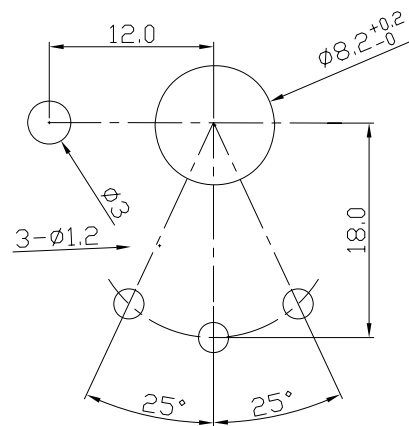


Shaft shown in full
C.C.W. position

接线图 Circuit Explanation



安装孔位置图 Mounting Hole

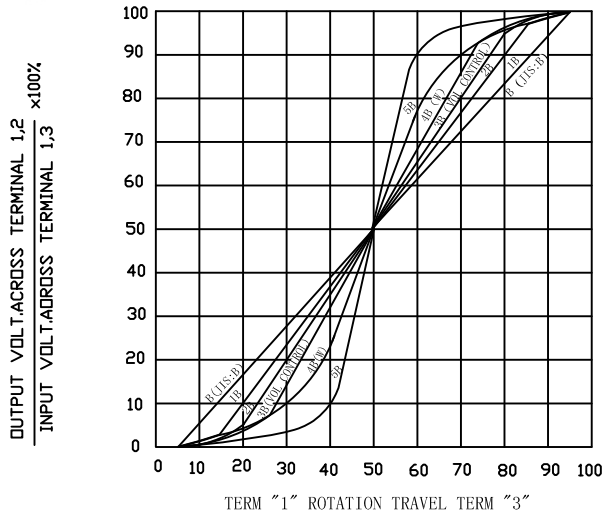


 東莞市雅弧電子有限公司 DongGuan YaHu Electronic Co.,Ltd.				PRODUCT NAME	24MM Rotary Potentiometers			
2				MODEL NAME	RV2411NS- ☐ A C1-**			
1								
NO	DATE	DESCRIPTION		APPROVED BY	CHECKED BY	R & D 2020.07.27 Lisa		
DIMENSION		TOLERANCE	SCALE					
$l \leq 10$		± 0.2	UNIT					mm
$10 < l \leq 30$		± 0.5	VER.					
$30 < l \leq 100$		± 1.0	DATE					20/07/27

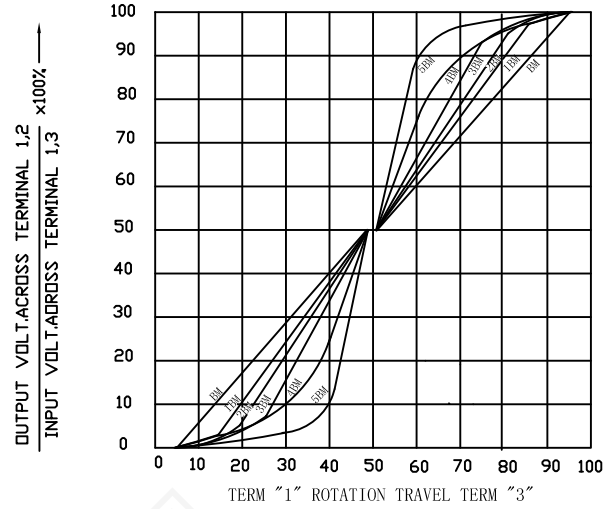
RESISTANCE TAPER



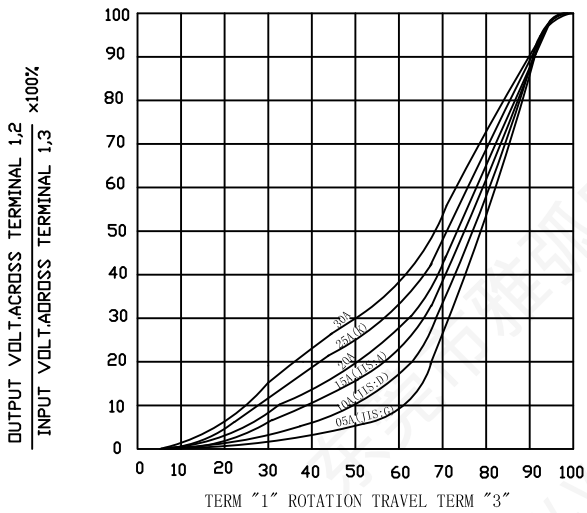
TAPER B SERIES



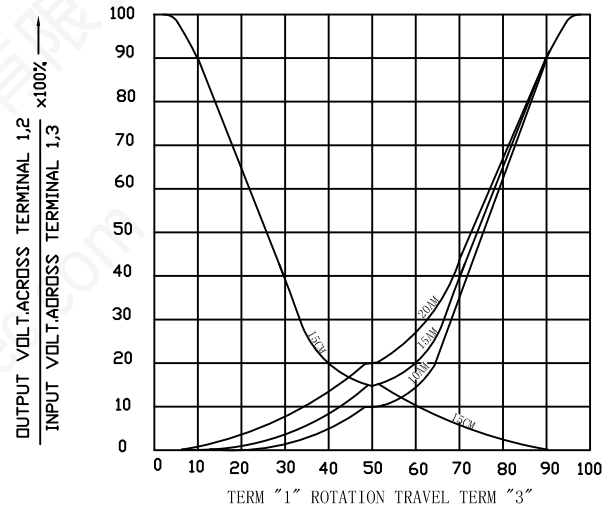
TAPER B WITH 50% TAP



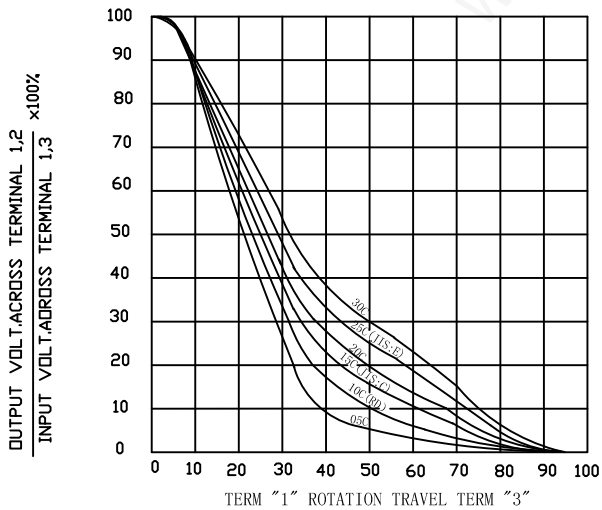
TAPER A SERIES



TAPER A & C WITH 50% TAP



TAPER C SERIES



TAPER M & N SERIES

