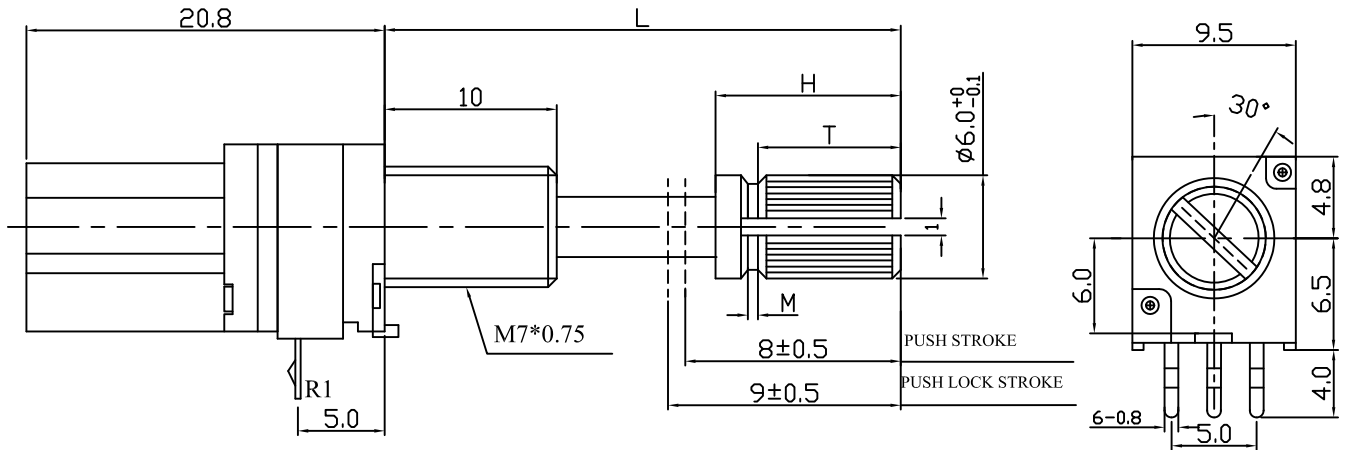
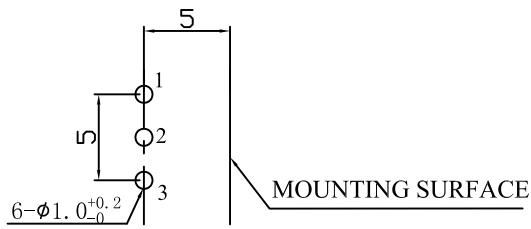


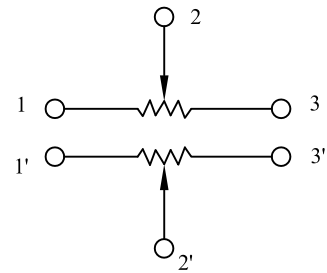
外形圖 Mechanical Dimensions



安裝孔位置圖
Mounting Hole



接線圖
Circuit Explanation



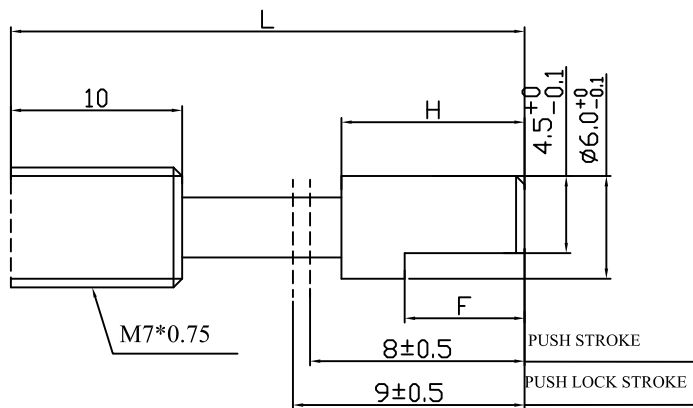
3				PRODUCT NAME	Rotary Potentiometers	
2				MODEL NAME	R091ANS - <input type="checkbox"/> A1-10-Value X	
1						
NO	DATE	DESCRIPTION		APPROVED BY	CHECKED BY	DRAWN BY
		DIMENSION	TOLERANCE	SCALE		
		$l \leq 10$	± 0.2	UNIT		
		$10 < l \leq 30$	± 0.5	VER.		
		$30 < l \leq 100$	± 1.0	DATE		
				07/06/07		

R & D
2009.04.25
Sophie

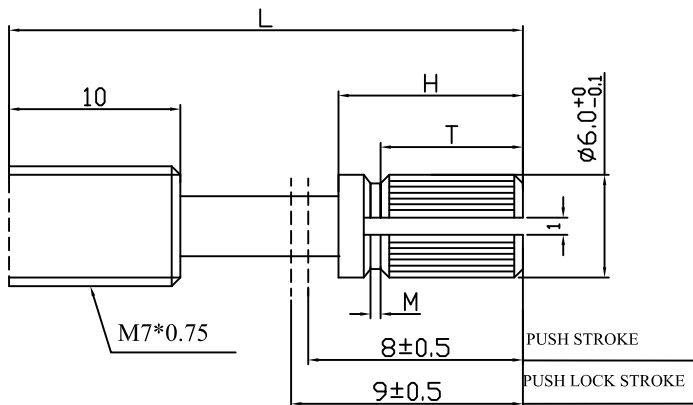
R & D
2009.04.25
Sophie

工程
2013.02.27
Eva

R09 Shaft Dimensions of with Push-lock Mechanism and with Pull-lock Mechanism






X	D	E	F
L	25	30	35
F	4.5	7.0	12
H	5.7	10.7	15.7



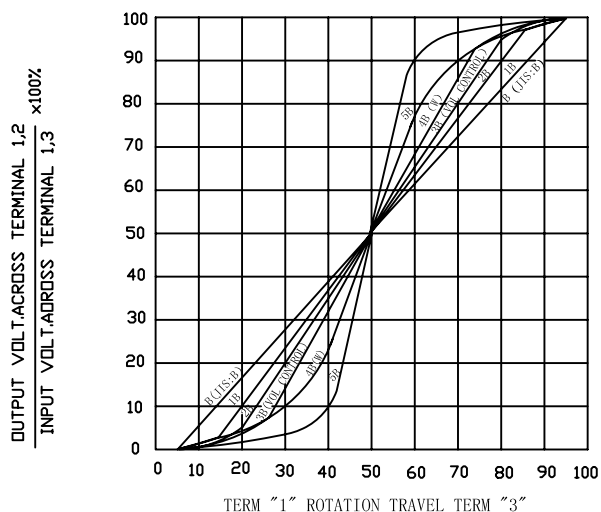
X	5	6	7
L	25	30	35
T	3.5	8.5	12
H	5.7	10.7	15.7
M	0.5	1.0	2.0

9 mm Rotary Series Potentiometers with SW Specifications

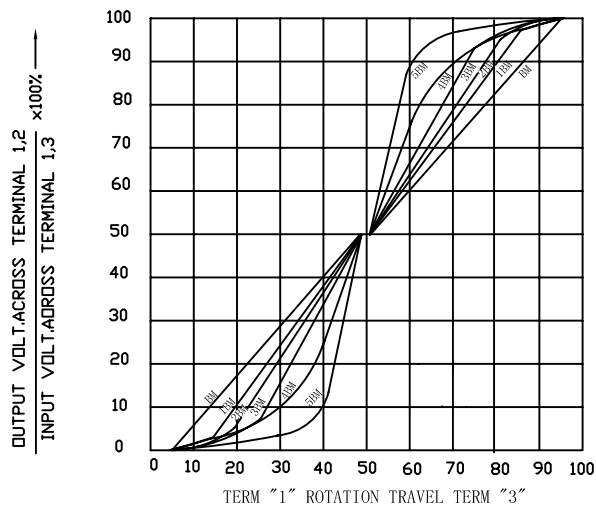
1.電氣性能 (Electrical Characteristic)					
1.1	全阻抗值 (Total Resistance)		1KΩ ~ 2MΩ		
1.2	全阻抗值允許偏差 (Total Resistance Tolerance)		±20% (More than 1 M Ω ±30%)		
1.3	電阻隨溫度變化特性 Resistance of temperature change character)		20°C-75°C:ΔR/R≤±5%, -25°C-20°C:ΔR/R≤±4.5%		
1.4	阻值變化特性 (Resistance Taper)		A, B , C, W		
1.5	零位阻值 (Residual Resistance)		R>250KΩ / 0.1 % max. of total Value 250KΩ>R>10KΩ / 20Ω max. 10KΩ>R / 10Ω max.		
1.6	額定功率 (Rated Power)		Linear Taper B: 0.05W Other Taper:0.025W		
1.7	最高使用電壓 (Max.Operating Voltage)		50V AC		
1.8	動雜音 (Rotational Noise)		Less Than 100mV		
1.9	絕緣阻抗 (Insulation Resistance)		More than 100MΩ at DC 250V		
1.10	耐電壓 (Withstand Voltage)		For 1 minute at: AC 250V		
1.11	開關額定功率(Switch Rated Power)		DV 12V, 1.0 A max.		
1.12	同步誤差 (Gang Error)		-----		
2.機械性能 (Mechanical Characteristics)					
2.1	全回轉角度 (Rotation Angle)		300°±5°		
2.2	旋轉力矩 (Rotation Torque)		20~200gf.cm		
2.3	軸的拉、押強度 (Pull-Push Strength)		5 Kgf.cm		
2.4	轉動止檔強度 (Rotational Stop-End Torque)		3 kgf.cm Min		
2.5	開關角度(Switch Working Angel)		≤50°		
2.6	開關力矩(Switch Working Torque)		50~350gf.cm		
2.7	旋轉定位數目 (Number of Detents(click))		detent: 0, centre, 11, 21, 31, 41		
2.8	焊錫耐熱性 (Resistance To Soldering Heat)		260±5°C and less than 3 seconds		
3.耐久性能 (Durability)					
3.1	回轉壽命 (Rotation Life)		10,000 Cycles min.		
3.2	工作溫度 (Operating temperature)		-10°C~+70°C		
4.1	外形尺寸圖/曲線特性圖 (Shape size drawing/curve characteristic drawing)		見附頁 Please refer the drawing		
批 准			審 核		
			設 計		

RESISTANCE TAPER

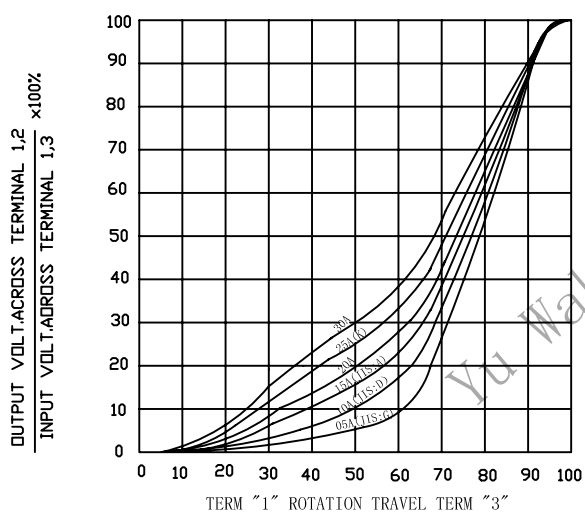
TAPER B SERIES



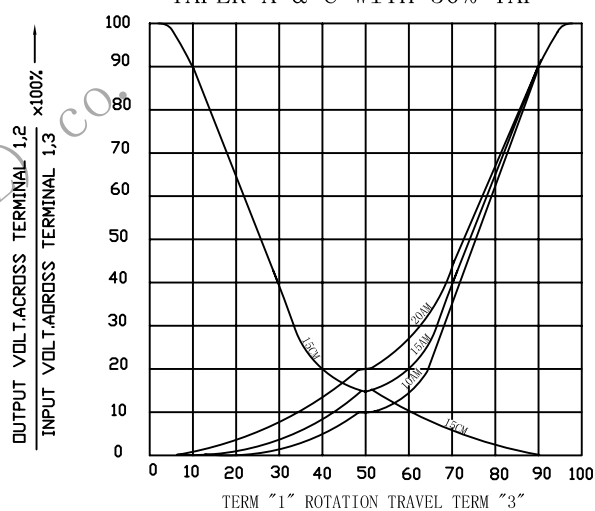
TAPER B WITH 50% TAP



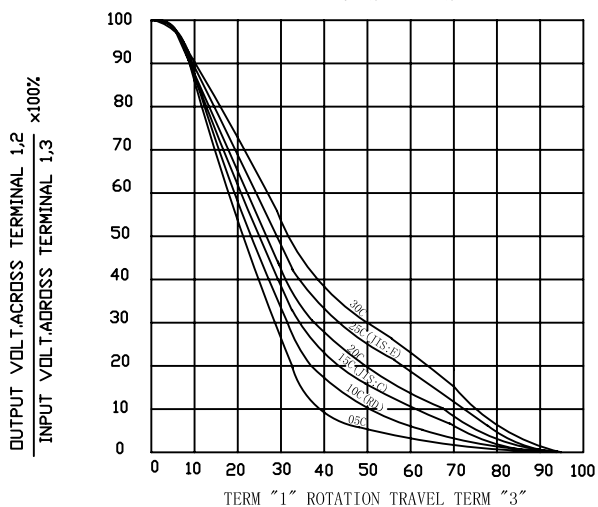
TAPER A SERIES



TAPER A & C WITH 50% TAP



TAPER C SERIES



TAPER M & N SERIES

