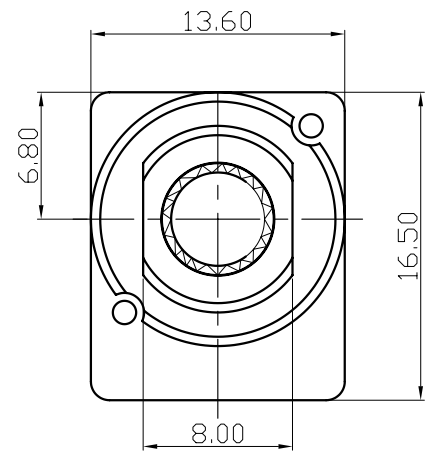
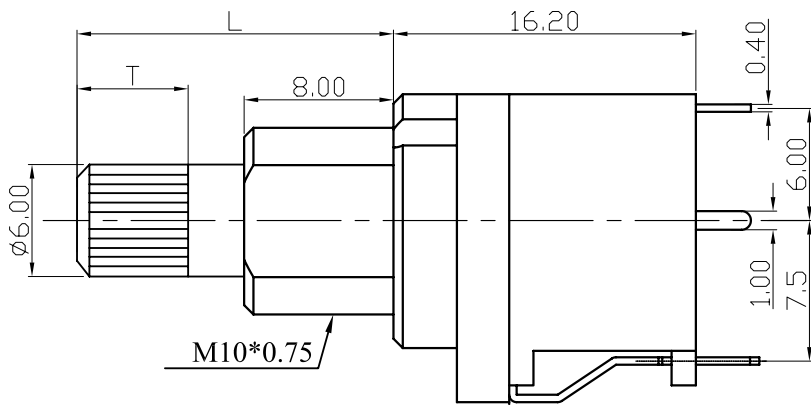


一、旋轉式電位器系列技術規格書

Rotary Series Potentiometers Technic Specifications

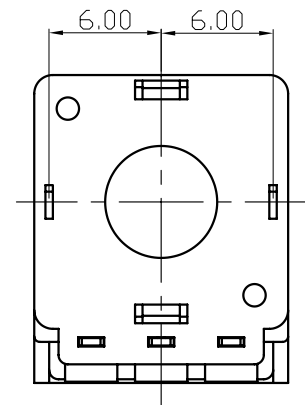
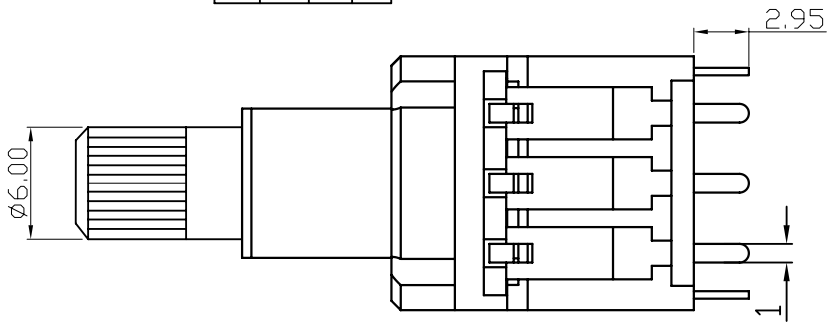
1. 電氣性能 (Electrical Characteristic)					
序号	項目			特性	
1.1	全阻抗值 (Total Resistance)			1KΩ ~ 1MΩ	
1.2	全阻抗值允許偏差 (Total Resistance Tolerance)			± 20%	
1.3	電阻隨溫度變化特性 (Resistance of temperature change character)			20°C ~ 75°C: $\Delta R/R \leq \pm 5\%$, -25°C ~ 20°C: $\Delta R/R \leq \pm 4.5\%$	
1.4	阻值變化特性 (Resistance Taper)			A, B	
1.5	零位阻值 (Residual Resistance)			$R \geq 250K\Omega$ 0.1%max. of total resistance $250K\Omega > R > 10K\Omega$ 20Ω $10K\Omega \geq R$ 10Ω max.	
1.6	額定功率 (Rated Power)			Carbon Film Type 0.2W	
1.7	最高使用電壓 (Max. Operating Voltage)			AC 250V	
1.8	動雜音 (Rotational Noise)			Less than 100mV	
1.9	絕緣阻抗 (Insulation Resistance)			More than 100MΩ at DC250V	
1.10	耐電壓 (Withstand Voltage)			For 1 minute at: 500V DC	
1.11	開關接觸電阻 (Switch Contact Resistance)			Less than 100mΩ	
1.12	開關的額定功率 (Switch Rated Power)			AC250V 5A	
2. 機械性能 (Mechanical Characteristics)					
2.1	全回轉角度 (Rotation Angle)			270° ± 5°	
2.2	旋轉力矩 (Rotation Torque)			10 ~ 150gf.cm	
2.3	軸的拉、押強度 (Pull-Push Strength)			5Kgf.cm	
2.4	轉動止檔強度 (Rotational Stop-End Torque)			3.5Kgf.cm	
2.6	焊錫耐熱性 (Resistance To Soldering Heat)			260 ± 5°C and less than 3 seconds	
2.7	C. C. 位置 (Click Position)			/	
2.8	開關操作力 (Switch Action)			80 ~ 250gf.cm	
3. 耐久性能 (Durability)					
3.1	操作溫度 (Operating Temperature)			-10°C ~ +70°C	
3.2	回轉壽命 (Rotation Life)			15,000 Cycles	
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	

Mechanical Dimensions



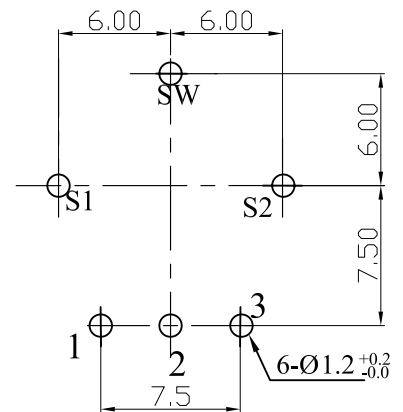
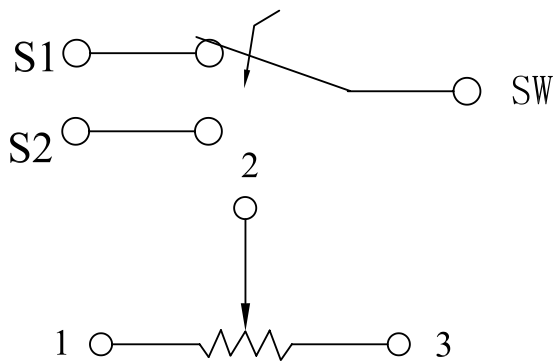
Shaft shown in full
C.C.W. position

X	A	B
L	17	19
T	6.0	7.8



Mounting Hole

Circuit Explanation

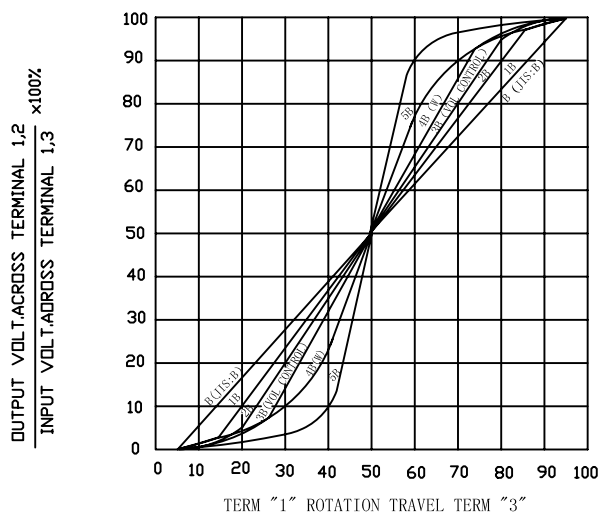


3				PRODUCT NAME	Rotary Potentiometers	
2				MODEL NAME	R12P2S- <input type="checkbox"/> D1-Value X	
1				APPROVED BY	CHECKED BY	DRAWN BY
NO	DATE	DESCRIPTION				
		DIMENSION	TOLERANCE	SCALE		
		$l \leq 10$	± 0.2	UNIT		
		$10 < l \leq 30$	± 0.5	VER.		
		$30 < l \leq 100$	± 1.0	DATE	2010/02/01	

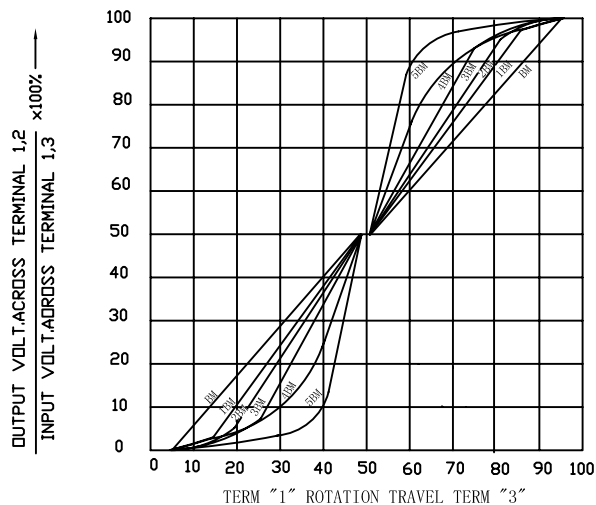


RESISTANCE TAPER

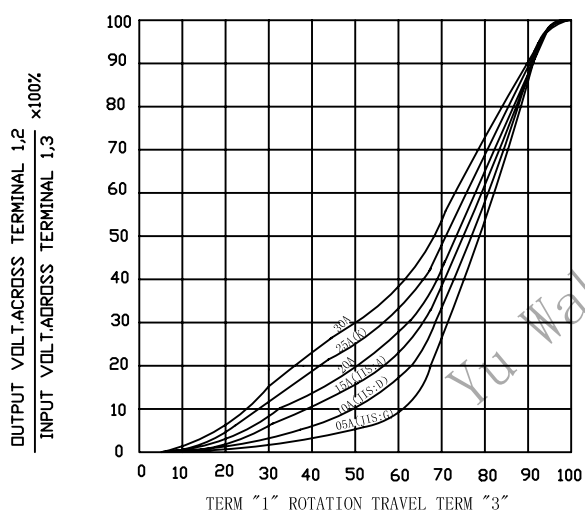
TAPER B SERIES



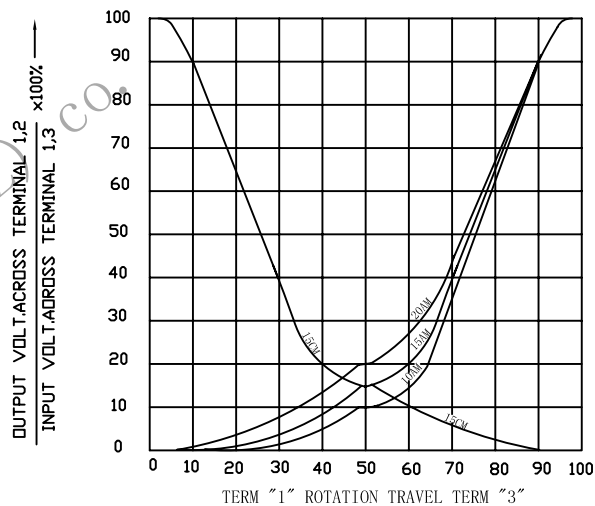
TAPER B WITH 50% TAP



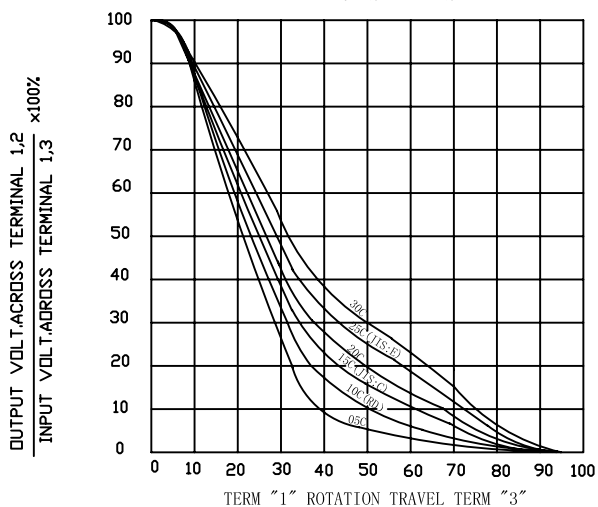
TAPER A SERIES



TAPER A & C WITH 50% TAP



TAPER C SERIES



TAPER M & N SERIES

