





# 一、微調電阻系列技術規格書

Common Specification For Semi-Fixed Potentiometers

1. 電器性能 (Electrical Characteristic)					
序号	項目			特性	
1.1	全阻抗值 (Total Resistance)			1KΩ ~ 2M	
1.2	全阻抗值允許偏差 (Total Resistance Tolerance)			± 20%	
1.3	阻值變化特性 (Resistance Taper)			A, B	
1.4	零位阻值 (Residual Resistance)			Term 1~2: Less than 20Ω Term 2~3: Less than 20Ω	
1.5	額定功率 (Rated Power)			Carbon Film Type 0.15W	
1.6	最高使用電壓 (Max. Operating Voltage)			DC 200V	
1.7	耐電壓 (Withstand Voltage)			1 minute at DC 200V	
1.8	耐溫特性 (Temperature Characteristic)			-25℃ ~ 70℃ : $\Delta R/R \leq \pm 8\%$	
1.9	潮濕環境下負載性能 (Load Life In Humidity)			<u>20%</u> Max <u>350</u> hours rated in <u>90%RH</u> <u>40℃</u>	
2. 機械性能 (Mechanical Characteristics)					
2.1	全回轉角度 (Rotation Angle)			235° ± 10°	
2.2	旋轉力矩 (Rotation Torque)			10 ~ 150gf. cm	
2.3	轉動止檔強度 (Rotational Stop-End Torque)			≥ 0.5Kgf. cm. max	
2.4	焊錫耐熱性 (Resistance to soldering heat)			<u>260 ± 5</u> ℃ and less than <u>3 ± 1</u> seconds	
3. 耐久性能 (Durability)					
3.1	回轉壽命 (Rotation Life)			10,000 cycles min	
4. 外形尺寸圖 / 曲線特性圖 (Shape size drawing / curve characteristic drawing)				見附頁 (Please see attachment)	
5					
批 准		審 核		設 計	

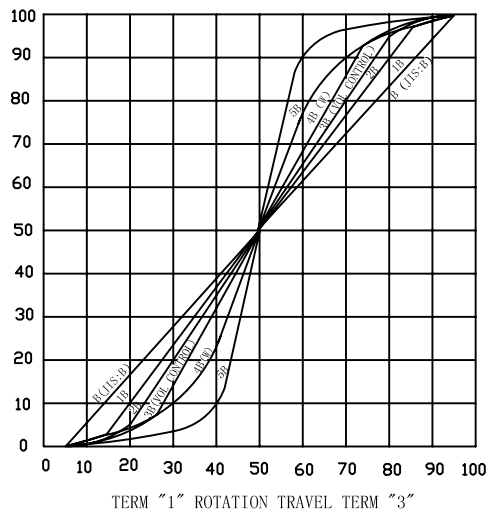


# RESISTANCE TAPER



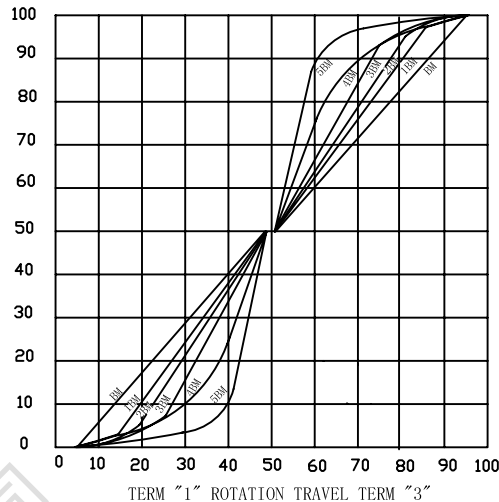
### TAPER B SERIES

$$\frac{\text{OUTPUT VOLT.ACROSS TERMINAL 1,2}}{\text{INPUT VOLT.ACROSS TERMINAL 1,3}} \times 100\%$$



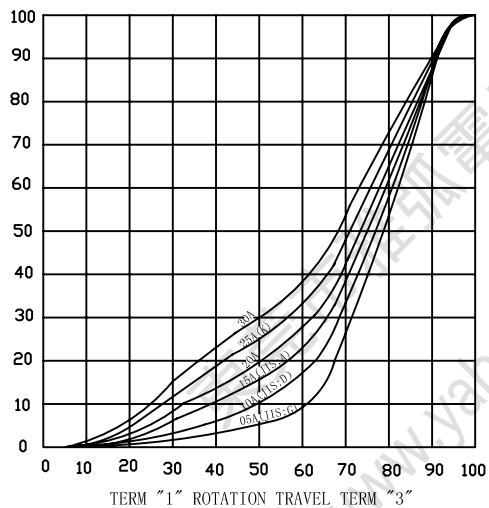
### TAPER B WITH 50% TAP

$$\frac{\text{OUTPUT VOLT.ACROSS TERMINAL 1,2}}{\text{INPUT VOLT.ACROSS TERMINAL 1,3}} \times 100\%$$



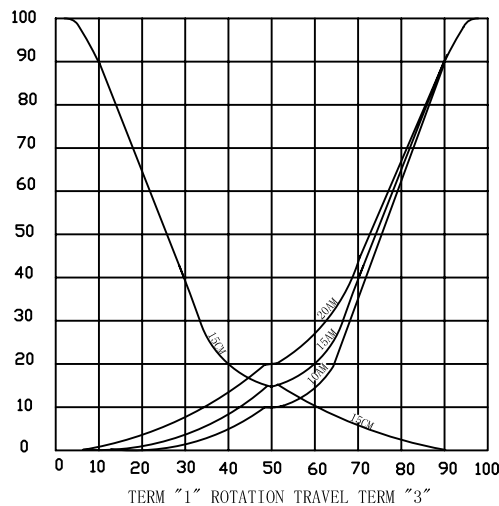
### TAPER A SERIES

$$\frac{\text{OUTPUT VOLT.ACROSS TERMINAL 1,2}}{\text{INPUT VOLT.ACROSS TERMINAL 1,3}} \times 100\%$$



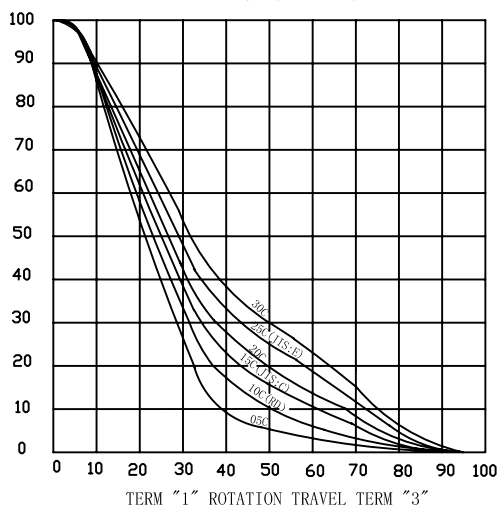
### TAPER A & C WITH 50% TAP

$$\frac{\text{OUTPUT VOLT.ACROSS TERMINAL 1,2}}{\text{INPUT VOLT.ACROSS TERMINAL 1,3}} \times 100\%$$



### TAPER C SERIES

$$\frac{\text{OUTPUT VOLT.ACROSS TERMINAL 1,2}}{\text{INPUT VOLT.ACROSS TERMINAL 1,3}} \times 100\%$$



### TAPER M & N SERIES

$$\frac{\text{OUTPUT VOLT.ACROSS TERMINAL 1,2}}{\text{INPUT VOLT.ACROSS TERMINAL 1,3}} \times 100\%$$

