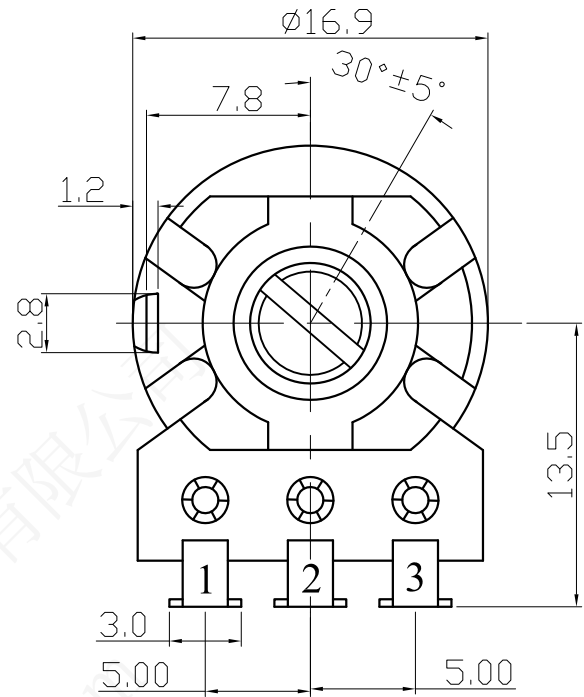
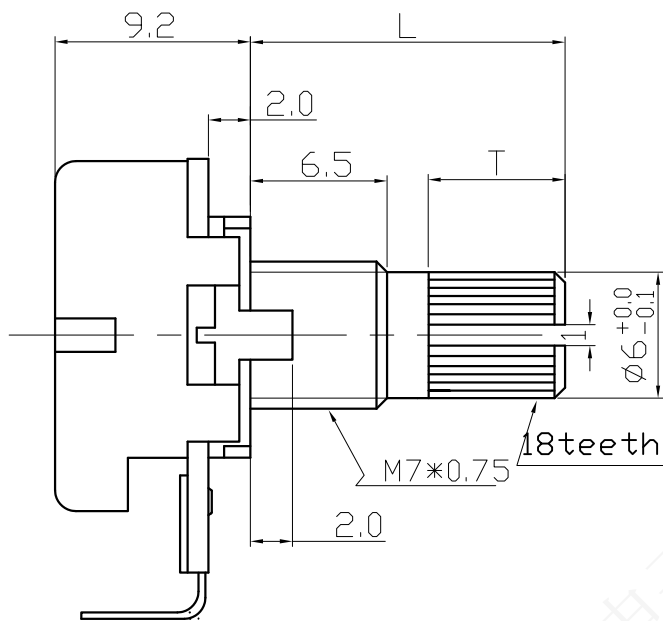


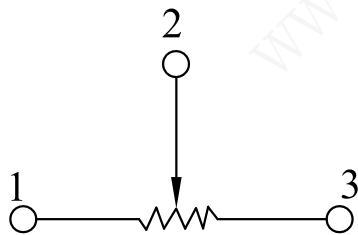


外形圖 Mechanical Dimensions

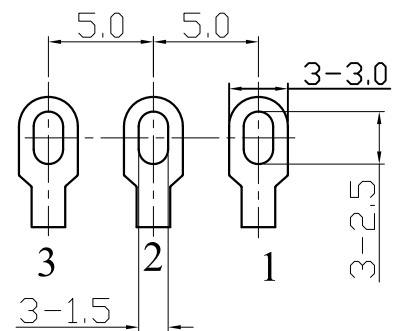


shaft shown in full
C.C.W. position

接線圖
Circuit Explanation



安裝孔位置圖
Mounting Hole



YaHu DongGuan YaHu Electronic Co.,Ltd.

2				PRODUCT NAME	Rotary Potentiometers		
1				MODEL NAME	RV1610N-□B1-Value X		
NO	DATE	DESCRIPTION		APPROVED BY	CHECKED BY	DRAWN BY	
		DIMENSION	TOLERANCE	SCALE			
		$l \leq 10$	± 0.2	UNIT	mm		
		$10 < l \leq 30$	± 0.5	VER.			
		$30 < l \leq 100$	± 1.0	DATE	08/08/07		

R & D
2016.05.20
Lisa



一、旋轉式電位器系列技術規格書

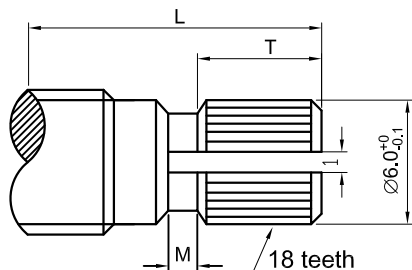
Rotary Series Potentiometers Technic Specifications

1. 電氣性能 (Electrical Characteristic)					
序号		項目		特性	
1.1		全阻抗值 (Total Resistance)		1K Ω ~2M Ω	
1.2		全阻抗值允许偏差 (Total Resistance Tolerance)		$\pm 20\%$	
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 $\geq$ 250K Ω 0.1%max.of total resistance 250K Ω >R>10K Ω 20 Ω 10K Ω $\geq$ R 10 Ω max.	
1.6		額定功率 (Rated Power)		Curve B:0.2W Other than B:0.1W	
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		同步誤差 (Gang Error)		/	
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)		20~150gf. 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		定位点数目 (Number of Detents(click))		☐ C ☐ 41C	
2.8		開關操作力 (Switch Action)		/	
3. 耐久性能 (Durability)					
3.1		使用温度 (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 charcteristic drawing)				見附頁 (Please see attachment)	
批 准		審 核		設 計	R & D 2016.05.20 Lisa





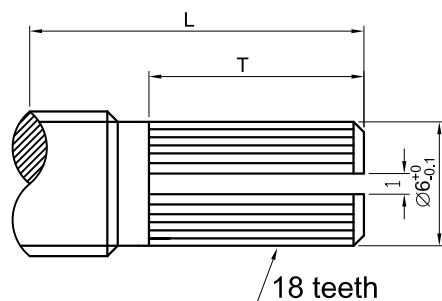
RV1610N/G SERIES SHAFT TYPE



车床轴

KQ TYPE: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

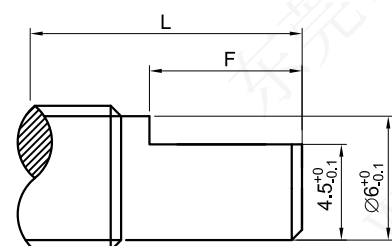
X	0	1	2	3	4	5	6	
L	10	12	15	17	20	25	30	
T	1.5	3.5	6.0	7.0	10	14	19	
M	0.5	0.5	1.0	1.5	2	2	2	



压铸轴

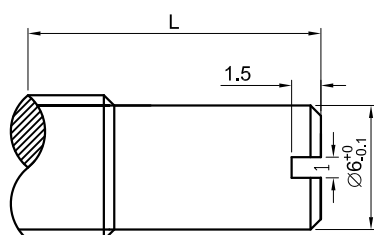
KQ TYPE: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

X	0	1	2	3	4	5	6	
L	10	12	15	17	20	25	30	
T	1.5	3.5	6.5	8.5	11.5	14	19	



F TYPE: ☐ ☐ ☐ ☐ ☐ ☐

X	A	C	D	E	G	
L	15	20	25	30	12	
F	7	12	12	12	3.5	



S TYPE: ☐ ☐ ☐ ☐ ☐ ☐

X	P	Q	R	S	T	
L	10	15	20	25	30	

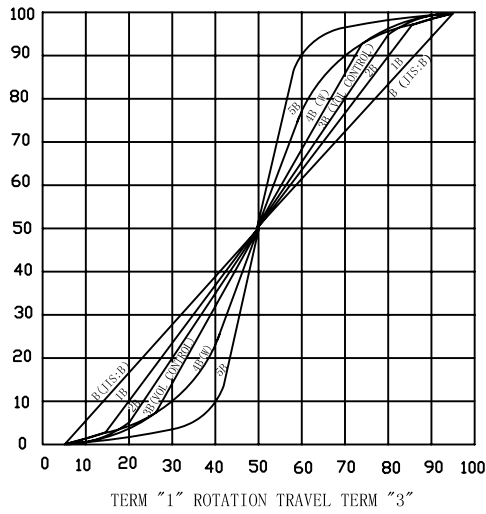


RESISTANCE TAPER

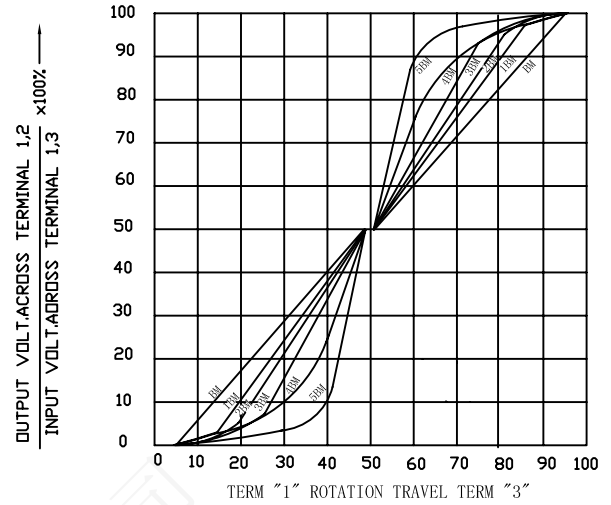


OUTPUT VOLT. ACROSS TERMINAL 1,2
INPUT VOLT. ACROSS TERMINAL 1,3
x100%

TAPER B SERIES

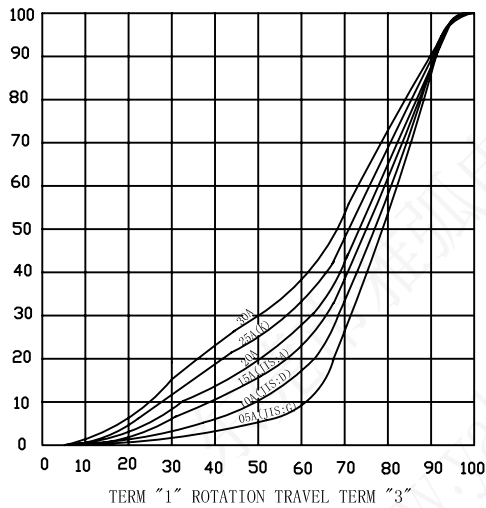


TAPER B WITH 50% TAP

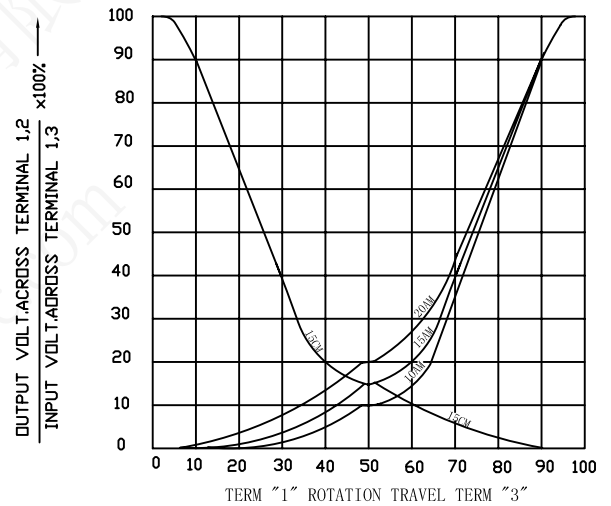


TAPER A SERIES

OUTPUT VOLT. ACROSS TERMINAL 1,2
INPUT VOLT. ACROSS TERMINAL 1,3
x100%

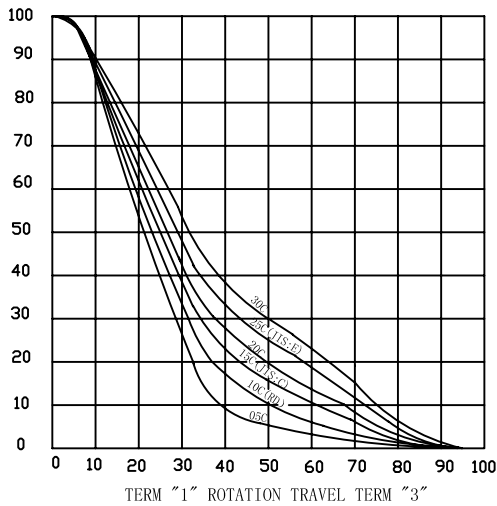


TAPER A & C WITH 50% TAP



TAPER C SERIES

OUTPUT VOLT. ACROSS TERMINAL 1,2
INPUT VOLT. ACROSS TERMINAL 1,3
x100%



TAPER M & N SERIES

