



一、旋轉式電位器系列技術規格書

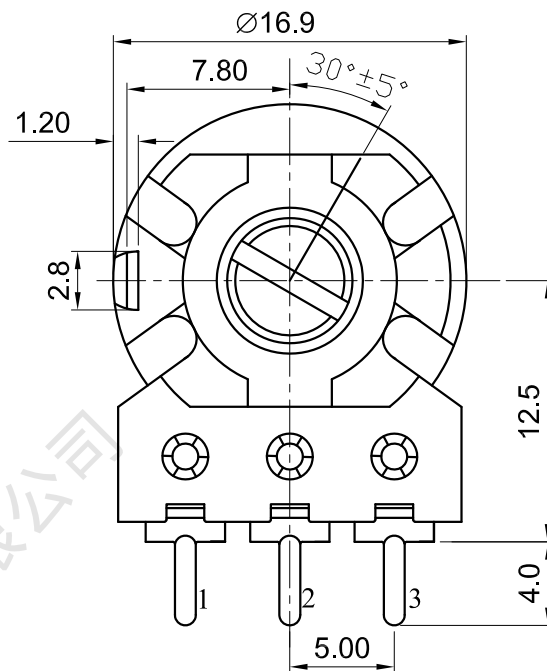
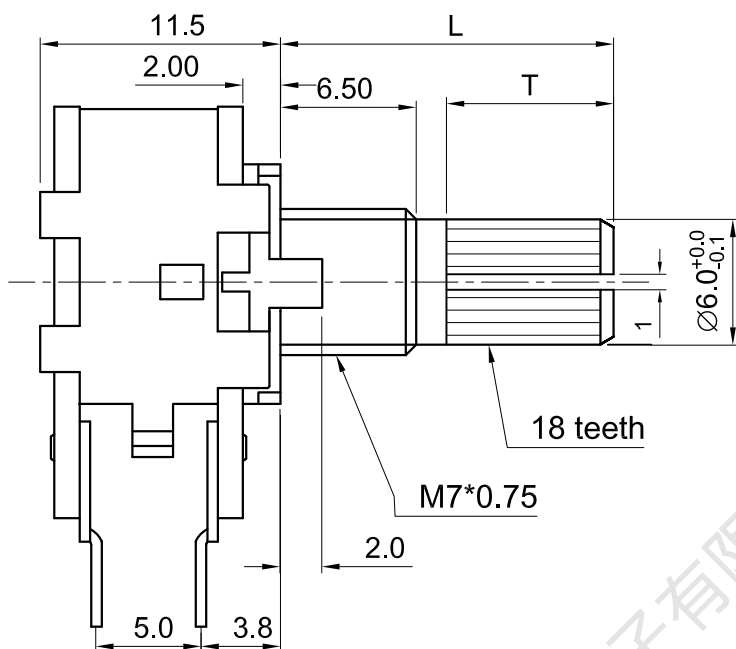
Rotary Series Potentiometers Technic Specifications

1.電氣性能 (Electrical Characteristic)					
序号		项目		特性	
1.1		全阻抗值 (Total Resistance)		500Ω~2MΩ	
1.2		全阻抗值允许偏差 (Total Resistance Tolerance)		±10% ±20%	
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	
1.5		零位阻值 (Residual Resistance)		R≥250KΩ 0.1%max.of total resistance 250KΩ>R>10KΩ 20Ω 10KΩ≥R 10Ω 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 100MΩ at DC500V	
1.10		耐電壓 (WithStand Voltage)		1 minute at:500V AC	
1.11		同步誤差 (Gang Error)		0dB~-40dB ≤±3dB	
2.機械性能 (Mechanical Characteristics)					
2.1		全回轉角度 (Rotation Angle)		300°±10°	
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±5°C and less than 3 seconds	
2.7		定位点数目(Number of Detents(click))		1C, 11C, 21C, 31C, 41C	
2.8		開關操作力 (Switch Action)		/	
3.耐久性能 (Durability)					
3.1		使用温度(Operating Temperature)		-10°C ~ +70°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)				见附页 (Please see attachment)	
批 准		審 核		設 計	
				R & D 2013.10.30 Lucky	



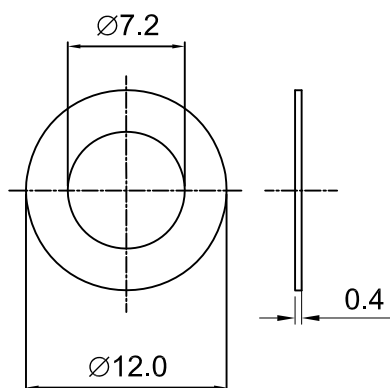
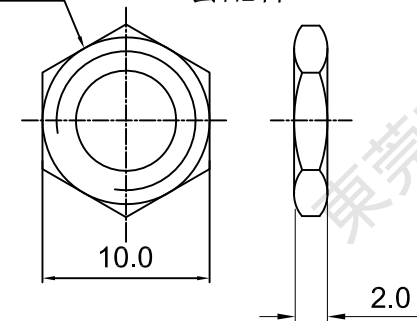


外形圖 Mechanical Dimensions

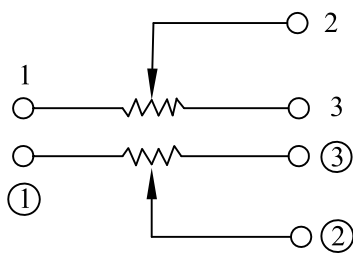


Shaft shown in full
C.C.W. position

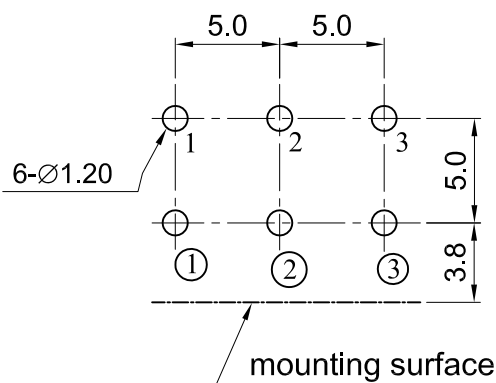
attached parts: nut&washer
M7*0.75 一套配件



接線圖
Circuit Explanation



安裝孔位置圖
Mounting Hole



東莞市雅弧電子有限公司
DongGuan YaHu Electronic Co.,Ltd.

PRODUCT NAME

16mm Rotary Potentiometers

MODEL NAME

RV1610G-☐ A1-Value
X

APPROVED BY

CHECKED BY

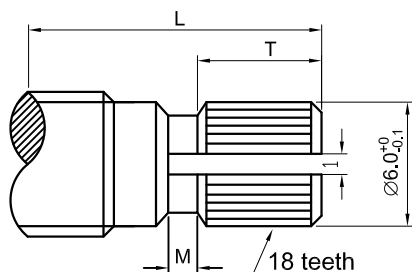
DRAWN BY

2			
1			
NO	DATE	DESCRIPTION	
DIMENSION	TOLERANCE	SCALE	3 : 1
$l \leq 10$	± 0.2	UNIT	mm
$10 < l \leq 30$	± 0.5	VER.	
$30 < l \leq 100$	± 1.0	DATE	07/06/07

R & D
2013.10.30
Lucky



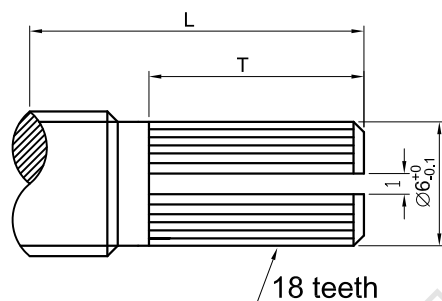
RV1610N/G SERIES SHAFT TYPE



车床轴

KQ TYPE: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

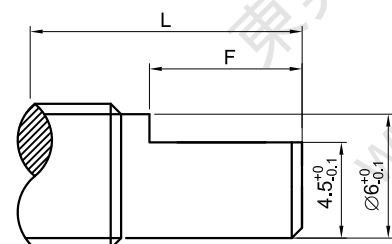
X	0	1	2	3	4	5	6	
L	10	12	15	17	20	25	30	
T	1.5	3.5	6.0	7.0	10	14	19	
M	0.5	0.5	1.0	1.5	2	2	2	



压铸轴

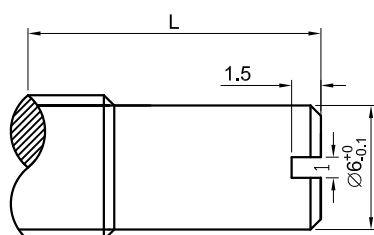
KQ TYPE: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

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	



