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)	1KΩ~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℃-75℃:△R/R≤±5%, -25℃-20℃:△R/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:0.5W Other than B:0.25W
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	開關額定功率(Switch Rated Power)	/
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)	20～200gf.cm
2.3	軸的拉、押強度（Pull-Push Strength)	7Kgf
2.4	轉動止檔強度（Rotational Stop-End Torque)	5kgf.cm
2.5	焊錫耐熱性（Resistance To Soldering Heat)	260±5℃ and less than 3 seconds
2.6	開關旋轉角度（Switch Rotational angle)	/
2.7	開關操作力（Switch Action)	/
3.耐久性能 (Durabillity)		
3.1	使用温度(Operating Temperature Range)	-10℃～+70℃
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 2014.05.16 Lisa

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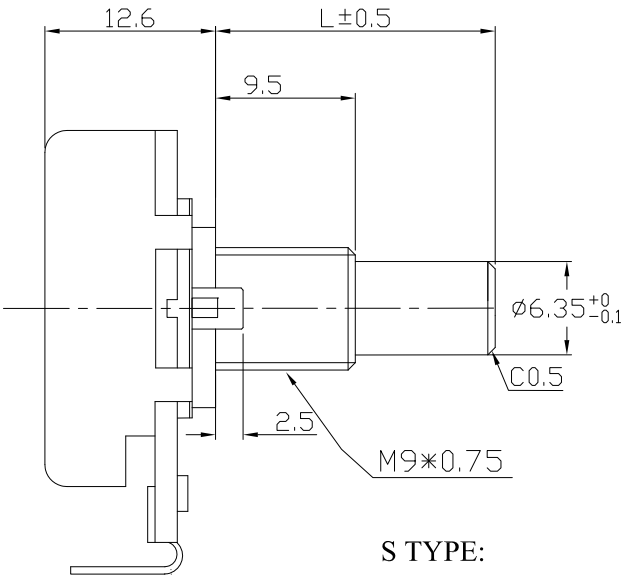
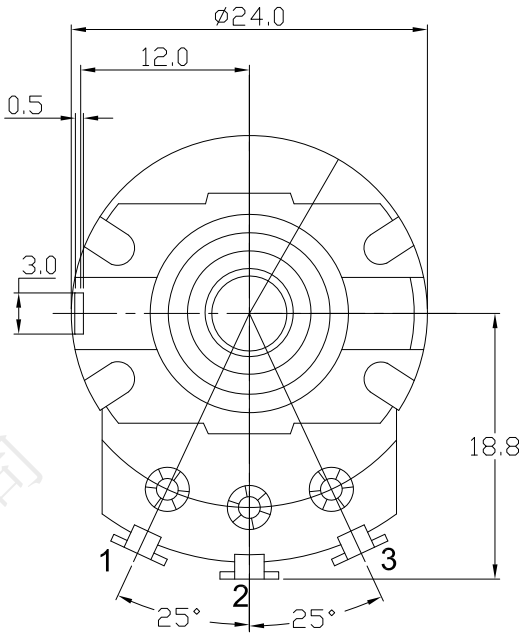
外形图
Mechanical Dimensions



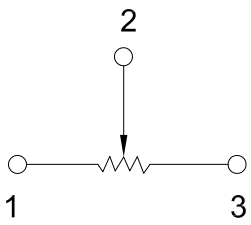
S TYPE:

L	15	20	25	30	

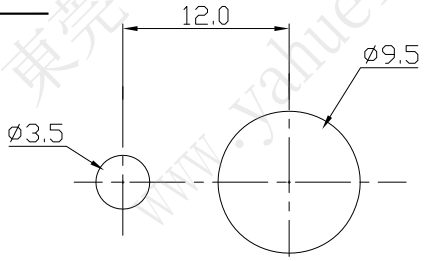


Shaft shown in full
C.C.W.position

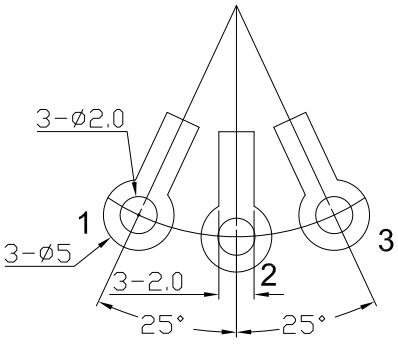
接線图
Circuit Explanation



孔位安装图
Mounting Hole



Terminal



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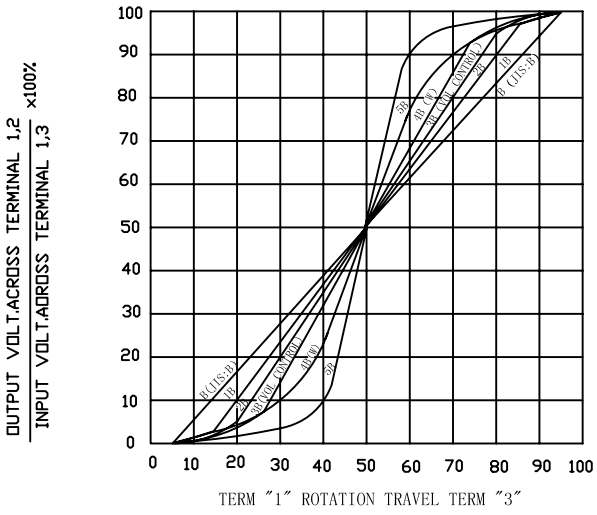
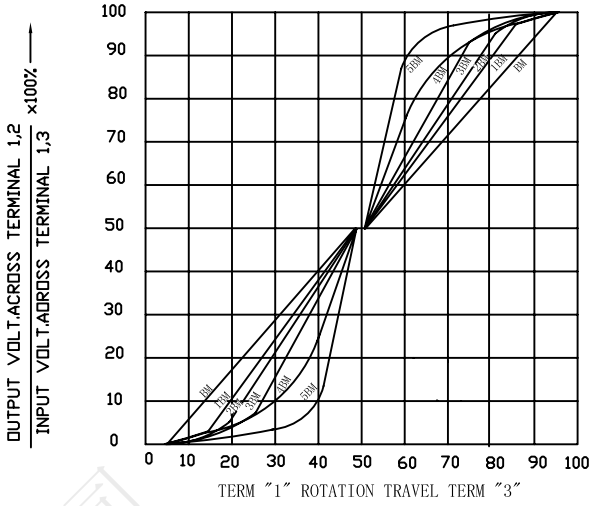
YaHu 東莞市雅弧電子有限公司 DongGuan YaHu Electronic Co.,Ltd.				PRODUCT NAME	24MM Rotary Potentiometers	
2						
1				MODEL NAME	RV2410N1- L B1-M9/6.35-***	
NO	DATE	DESCRIPTION				
DIMENSION	TOLERANCE	SCALE		APPROVED BY	CHECKED BY	DRAWN BY
$l \leqslant 10$	±0.2	UNIT	mm			R & D 2014.05.16 Lisa
$10 < l \leqslant 30$	±0.5	VER.				
$30 < l \leqslant 100$	±1.0	DATE	13/01/23			

RESISTANCE TAPER

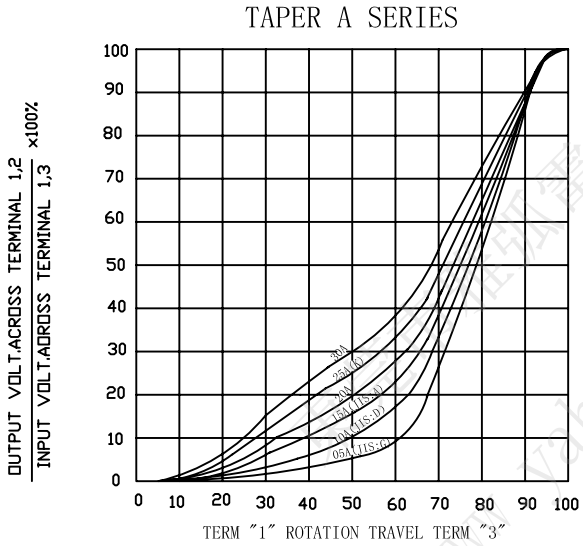
TAPER B SERIES



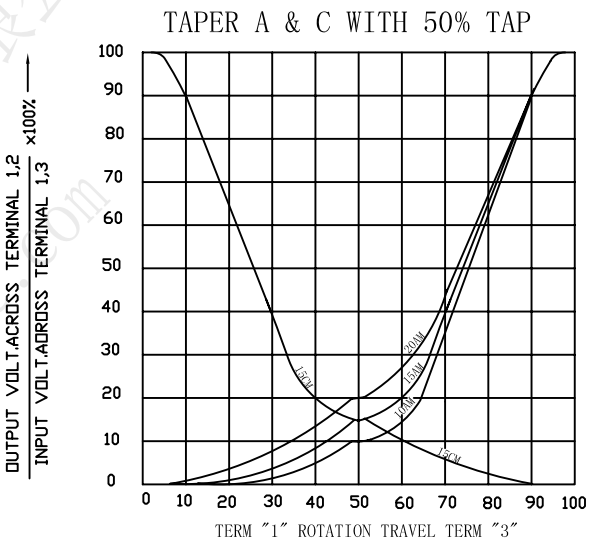
TAPER B WITH 50% TAP



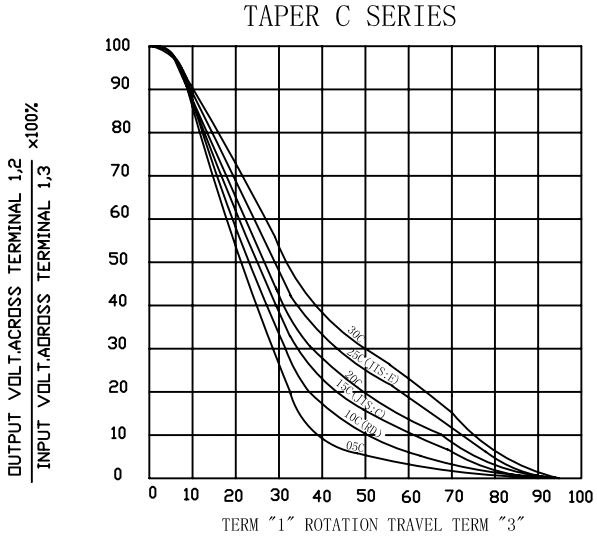
TAPER A SERIES



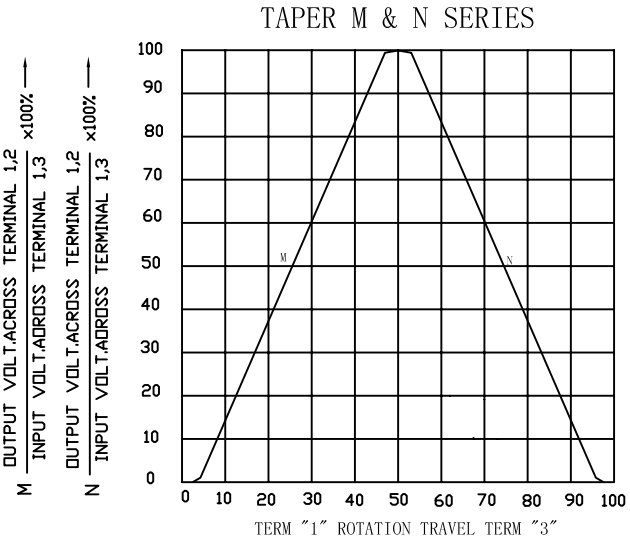
TAPER A & C WITH 50% TAP



TAPER C SERIES



TAPER M & N SERIES



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