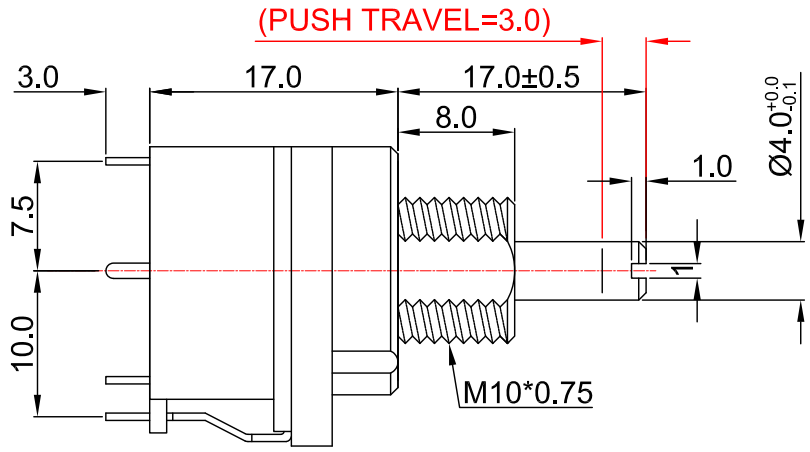
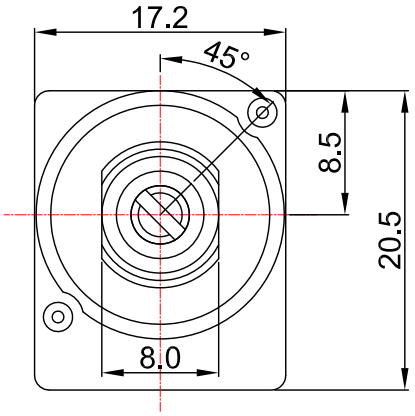
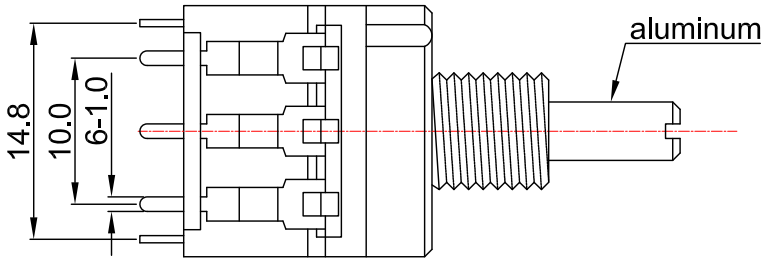
外 形 图
Mechanical Dimensions

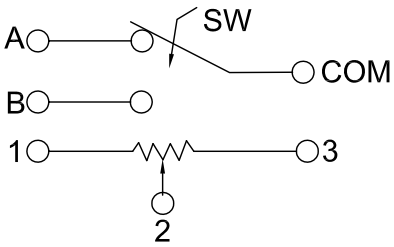


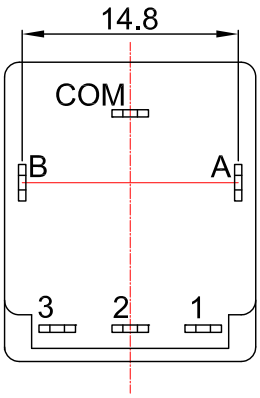


Shaft shown in full C.C.W.position

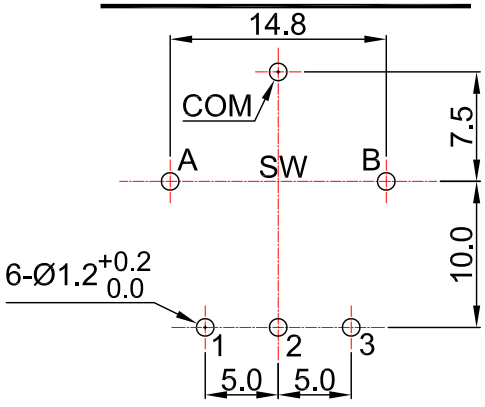


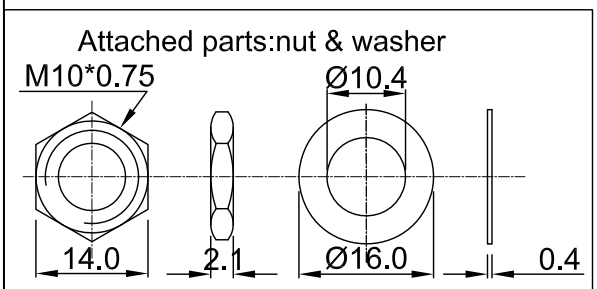
接线图
Circuit explanation





安装孔位置图
P.C.B. mounting hole detail





NO	DATE	DESCRIPTION
3		
2		
1		

PRODUCT NAME	Switch Rotary Potentiometer
MODEL NAME	R16P3S-17SD1-AL-value

DIMENSION	TOLERANCE	SCALE	
∫ ≤10	± 0.2	UNIT	mm
10 < ∫ ≤ 30	± 0.5	VER.	A0
30 < ∫ ≤100	± 1.0	DATE	2014/3/6
All Angles	± 5°		

APPROVED BY	CHECKED BY	DRAWN BY
R & D 2014/3/6 Eva	R & D 2014/3/6 Sophie	R & D 2014/3/6 Dick

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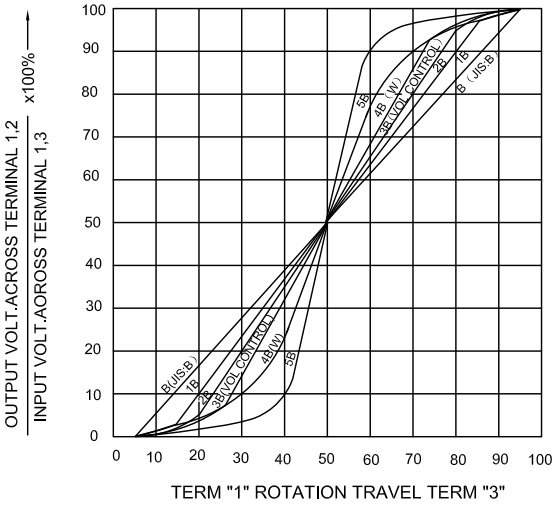
16 mm Rotary Potentiometers with SW series Specifications

	1.電氣性能 (Electrical Characteristics)	
1.1	全阻抗值 （Total Resistance)	1KΩ ~ 2MΩ
1.2	全阻抗值允许偏差（Total Resistance Tolerance)	±20% (More than 1 M Ω ±30%)
1.3	電阻隨溫度變化特性	20℃-75℃:△R/R≤±5%,
	（Resistance of temperature change character)	-25℃-20℃:△R/R≤±4.5%
1.4	阻值變化特性（Resistance Taper)	A, B
1.5	零位阻值（Residual Resistance)	R≥250KΩ / 0.1 % max. of total Value 250KΩ>R>10KΩ / 20Ω max. 10KΩ≥R / 10Ω max.
1.6	額定功率（Rated Power)	Linear Taper B: 0.5W Other Taper:0.2W
1.7	最高使用電壓（Max.Operating Voltage)	250VAC
1.8	動雜音（Rotational Noise)	Less Than 100mV
1.9	絕缘阻抗（Insulation Resistance)	More than 100MΩ at DC 500V
1.10	耐電壓（Withstand Voltage)	For 1 minute at: DC 500V
1.11	开关额定功率(Switch Rated Power)	250VAC , 10A
	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)	10～100gf.cm
2.3	軸的拉、押強度（Pull-Push Strength)	3.5 Kgf.cm
2.4	轉動止檔強度（Rotational Stop-End Torque)	5 kgf.cm Min
2.5	开关行程(Switch Working Travel)	3.0±0.5mm
2.6	开关力矩(Switch Working Torque)	50～150gf.cm
2.7	旋轉定位數目（Number of Detents(click)	0 detents / 16 detents /30 detents
2.8	焊錫耐熱性（Resistance To Soldering Heat)	260±5℃and less than 3 seconds
	3.耐久性能 (Durability)	
3.1	回轉壽命（Rotation Life)	10,000 Cycles min.
3.2	工作温度 (Operating temperature)	-10℃～+70℃
4.1	外形尺寸圖/曲線特性圖 (Shape size drawing/curve characteristic drawing)	见附页 Please refer the drawing

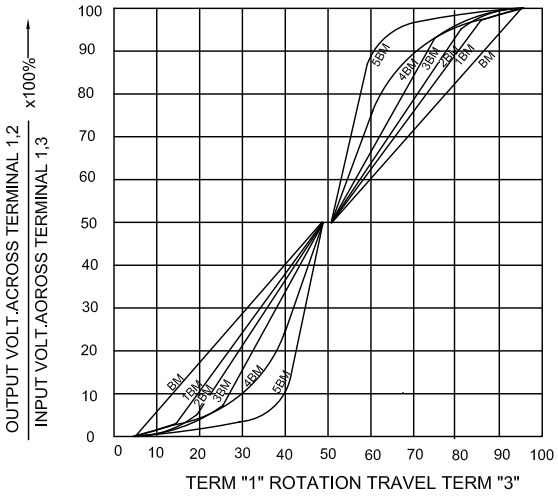
批准	R & D 2018/6/12 Eva	審核	R & D 2018/6/12 Sophie	設計	R & D 2018/6/12 Dick

RESISTANCE TAPER

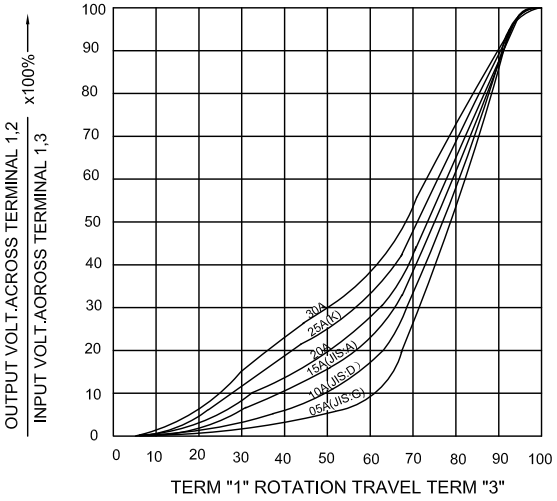
TAPER B SERIES



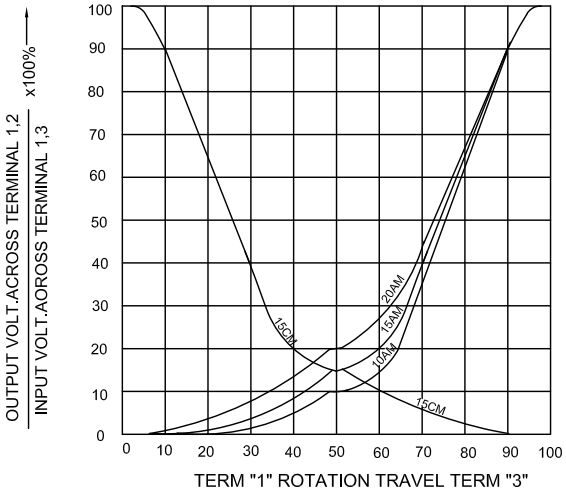
TAPER B WITH 50% TAP



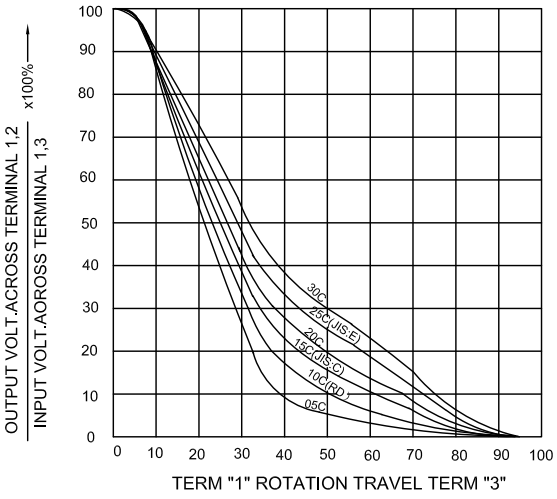
TAPER A SERIES



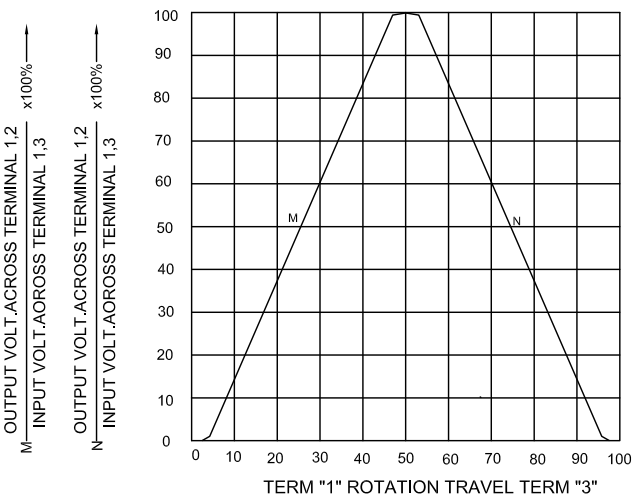
TAPER A & C WITH 50% TAP



TAPER C SERIES



TAPER M & N SERIES



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