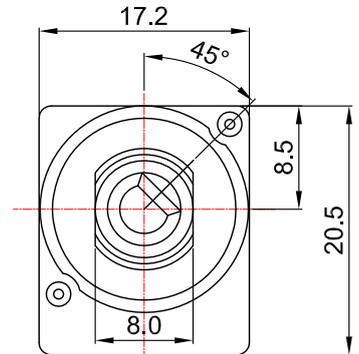
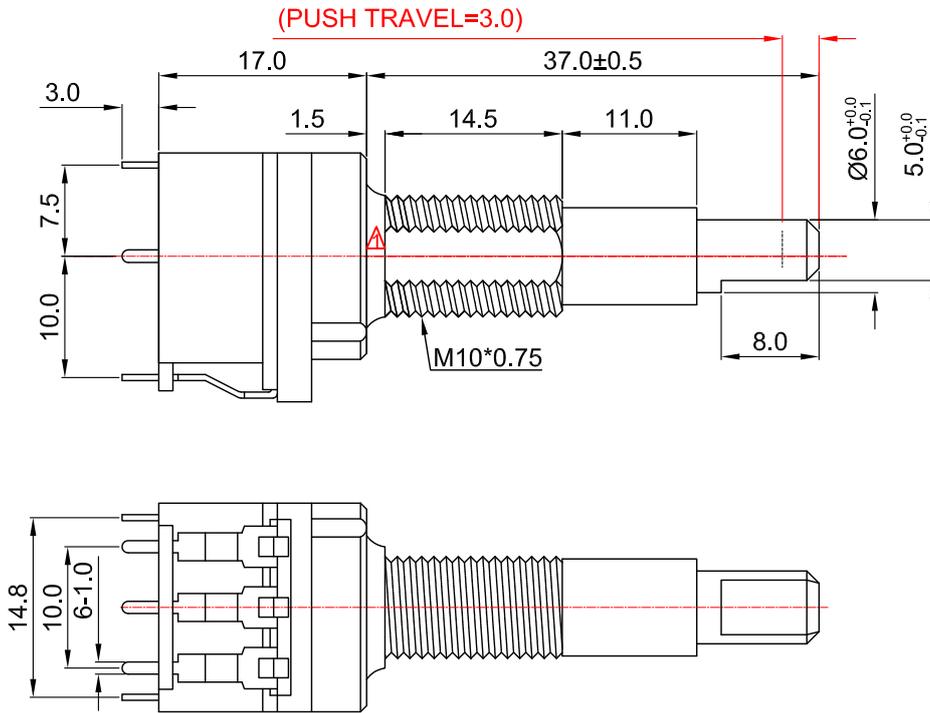
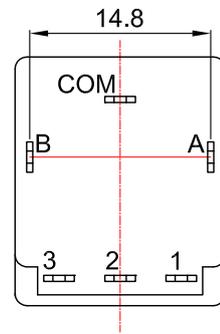


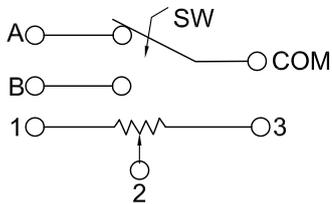
# 外形图 Mechanical Dimensions



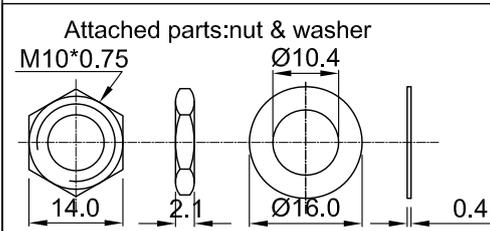
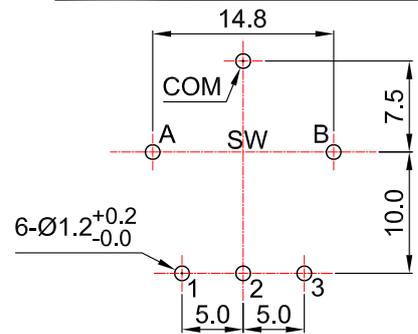
Shaft shown in full C.C.W. position



## 接线图 Circuit explanation



## 安装孔位置图 P.C.B. mounting hole detail



3			PRODUCT NAME	Switch Rotary Potentiometer			
2			MODEL NAME	R16P2SA-37FD1-value-HH-HF			
1	2017-5-5	Increase the thickness of 1.5 platform	APPROVED BY	CHECKED BY	DRAWN BY		
NO	DATE	DESCRIPTION					
	DIMENSION	TOLERANCE	SCALE				
	$f \leq 10$	$\pm 0.2$	UNIT	<div style="border: 1px solid black; border-radius: 50%; padding: 5px; width: 60px; margin: 0 auto;"> <span style="color: red; font-weight: bold;">R &amp; D</span>                      2018/04/11                      Eva                 </div>	<div style="border: 1px solid black; border-radius: 50%; padding: 5px; width: 60px; margin: 0 auto;"> <span style="color: red; font-weight: bold;">R &amp; D</span>                      2018/04/11                      Sophie                 </div>	<div style="border: 1px solid black; border-radius: 50%; padding: 5px; width: 60px; margin: 0 auto;"> <span style="color: red; font-weight: bold;">R &amp; D</span>                      2018/04/11                      Dick                 </div>	
	$10 < f \leq 30$	$\pm 0.5$	VER.				A0
	$30 < f \leq 100$	$\pm 1.0$	DATE				2018/04/11
	All Angles	$\pm 5^\circ$					

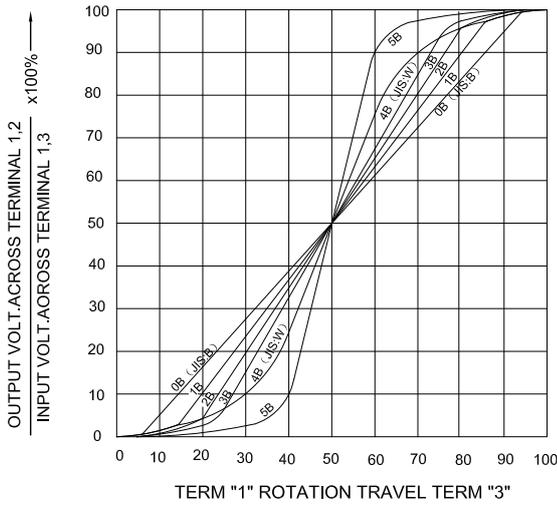
# 16 mm Push-on Potentiometers with SW series Specifications

1.電氣性能 (Electrical Characteristics)					
1.1	全阻抗值 (Total Resistance)	1KΩ ~ 2MΩ			
1.2	全阻抗值允許偏差 (Total Resistance Tolerance)	±20% ( More than 1 M Ω ±30%)			
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			
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	絕緣阻抗 (Insulation Resistance)	More than 100MΩ at DC 250V			
1.10	耐電壓 (Withstand Voltage)	For 1 minute at: DC 500V			
1.11	开关額定功率(Switch Rated Power)	250V AC,3A □ / 250V AC,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)	5 Kgf.cm			
2.4	轉動止檔強度 (Rotational Stop-End Torque)	3.5 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°C 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	工作溫度 (Operating temperature)	-10°C~+70°C			
4.1	外形尺寸圖/曲線特性圖 (Shape size drawing/curve characteristic drawing)	見附頁 Please refer the drawing			
批 准		審 核		設 計	

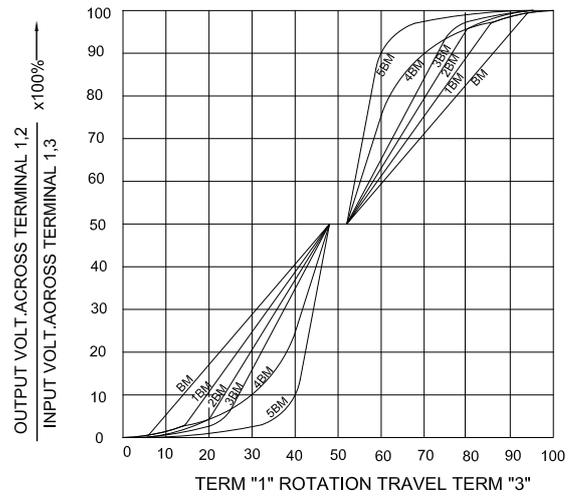
# RESISTANCE TAPER



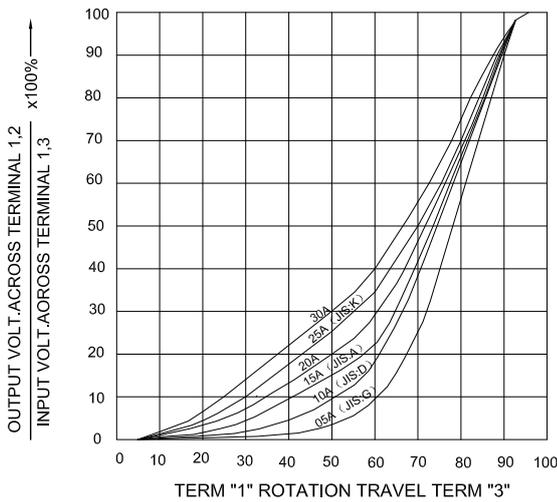
### TAPER B SERIES



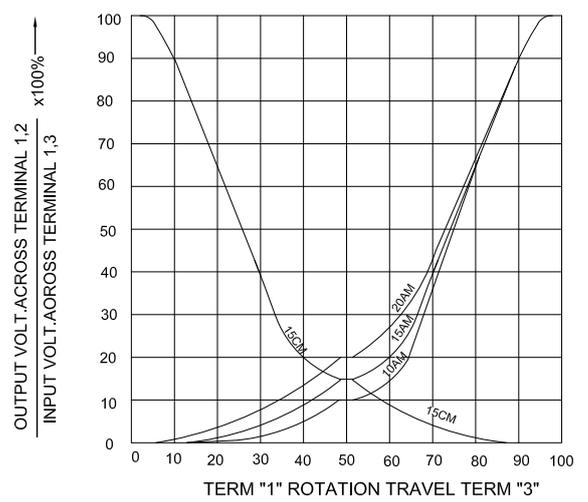
### TAPER B WITH 50% TAP



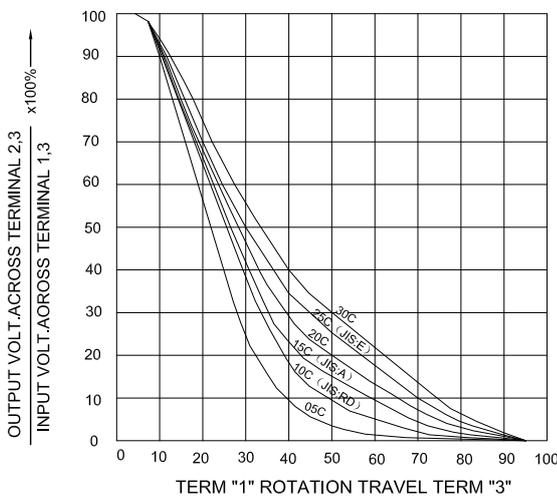
### TAPER A SERIES



### TAPER A & C WITH 50% TAP



### TAPER C SERIES



### TAPER M & N SERIES

