



## 9mm Metal Shaft Rotary Potentiometer

**RK0975**

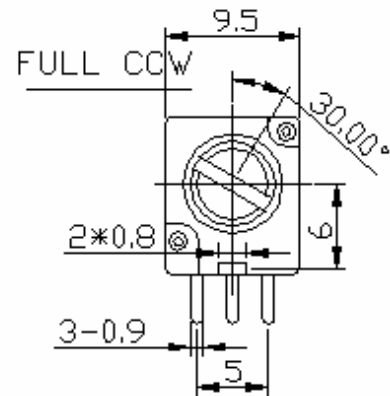
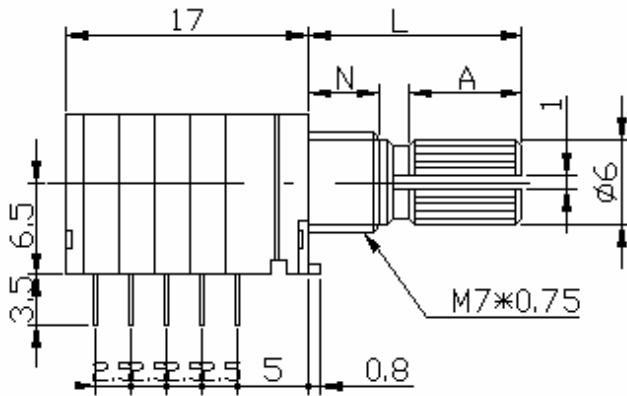


### Part Number

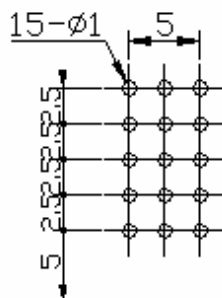
**RK0975 - B 50K, L - 20 KC**

↓ Taper    ↓ Resistance Value    ↓ Shaft Length    ↓ Shaft Type

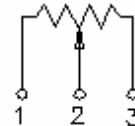
### Dimensions



### P.C.B LAYOUT



### CIRCUIT





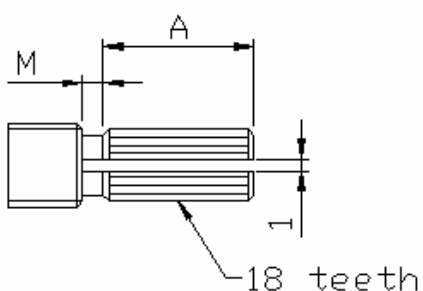
## 9mm Metal Shaft Rotary Potentiometer

### Shaft Type

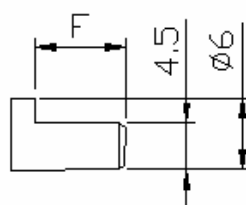
Bushing Length

N	5	7
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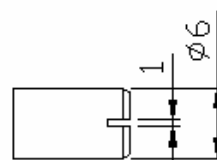
#### KC TYPE



#### F TYPE



#### RE TYPE



#### KC TYPE

N=5mm

L	12	15	20	25
A	3.5	7.5	12	12
M	0.5	1	2	2

#### F TYPE

N=5mm

L	15	20	25
F	7	12	12

#### RE TYPE

N=5mm

L	15	20	25
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**9mm Metal Shaft Rotary Potentiometer****Electrical Characteristics**

<b>Total Resistance</b>	1K ~ 500K $\Omega$				
<b>Total Resistance Tolerance</b>	$\pm 20\%$ (more than 1K $\Omega \pm 30\%$ )				
<b>Resistance Tape</b>	A. B. C. D. W. Taper				
<b>Resistance Taper Characteristics</b>	A50%	B50%	C50%	D50%	W50%
	15-25%	40-60%	75-85%	2-15%	45-55%
<b>Rated Power</b>	B Taper 0.05 W , Other Tapers 0.02 W				
<b>Residual Resistance</b>	R $\geq$ 250K $\Omega$ 0.1% 250K $\Omega$ > R > 10K $\Omega$ 20 $\Omega$ Max. 10K $\Omega$ $\geq$ R 20 $\Omega$ Max.				
<b>Noise</b>	Less than 100 mV				
<b>Insulation Resistance</b>	DC 250V 100M $\Omega$				
<b>Withstand Voltage</b>	1 minute at AC 300V				
<b>Switch Rating</b>	DC 16V 1A				
<b>Switch Contact Resistance</b>	$\leq 50m \Omega$				
<b>Rotational Life</b>	15,000 Cycles				

**Mechanical Characteristics**

<b>Total Rotational Angle</b>	300 $\pm$ 5 $^\circ$
<b>Operating Force</b>	20 ~ 250gf.cm
<b>Stopper Strength</b>	5 kgf.cm max.
<b>Switch Working Force</b>	$\leq 400$ gf.cm
<b>Switch Working Angle</b>	$\leq 50^\circ$
<b>Shaft Push-Pull Strength</b>	10 kgf.cm Max.
<b>Shaft Lever Wobble</b>	0.6 x L/ 20 mm p-p max. (L: lever length both side)
<b>Soldering Heat</b>	300 $^\circ$ C , 3s. (Only for Hand-Soldering)