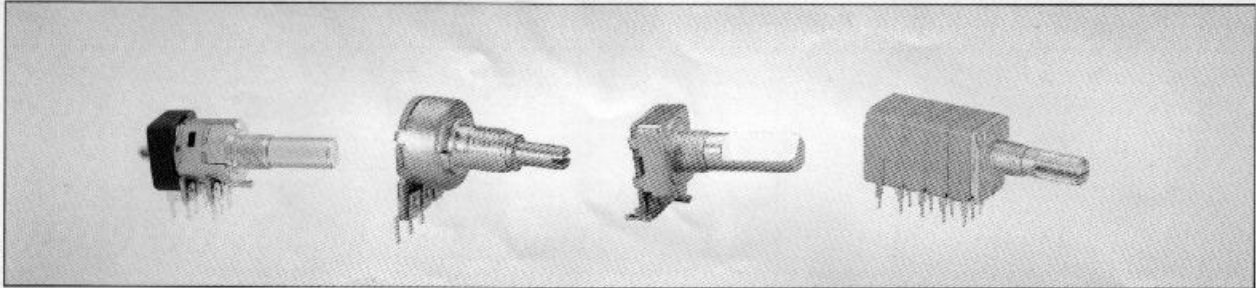


12MM SIZE METAL SHAFT ROTARY POTENTIOMETERS



■ Features

- 12mm size metal shaft. There are two mounting heights from the PC board to shaft center: 10mm and 12.5mm
- 123 and 126 type with Dual-unit and rotary switch

■ Applications

- Volume and tone control for radios, TV set, stereo equipment, etc

■ Mechanical characteristics

Item	RK 123		RK 1235N	RK 124	RK 126	
	Single-unit	Dual-unit	Single-unit	Single-unit	Single-unit	Dual-unit
Total rotational angle	300°±5°		360°	300°±5°		
Rotation torque	20 ~ 250gf.cm		5 ~ 50gf.cm	20 ~ 250gf.cm		
Rotation stopper strength	2.5kgf.cm		—	2.5kgf.cm	4kgf.cm	
Push-pull strength	8kgf max.					
Shaft wobble	0.4 x L/ 25mm p-p max.		0.7 x L/ 20mm p-p max.	0.4 x L/ 25mm p-p max.		

■ Electrical characteristics

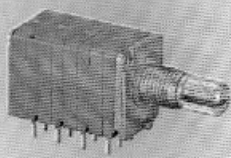
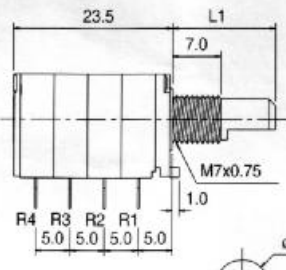
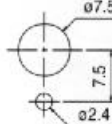
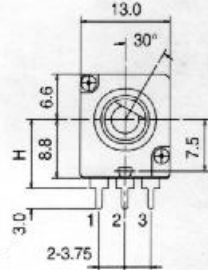
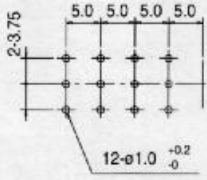
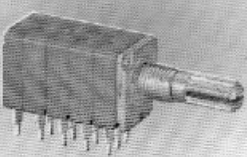
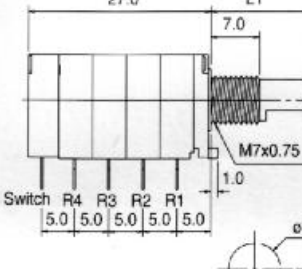
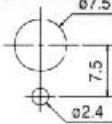
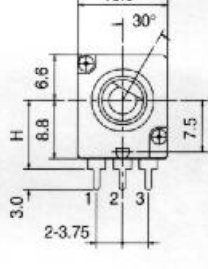
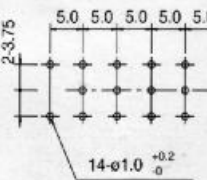
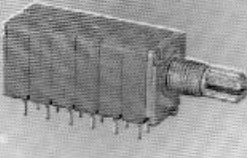
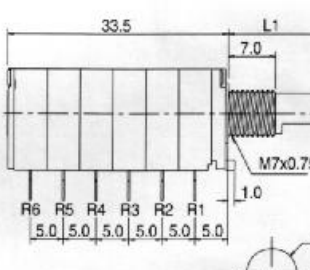
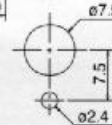
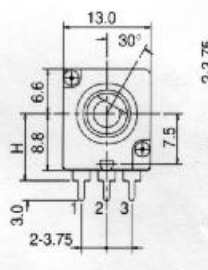
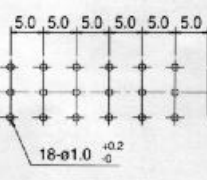
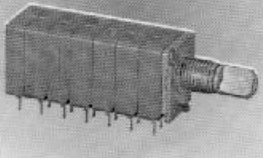
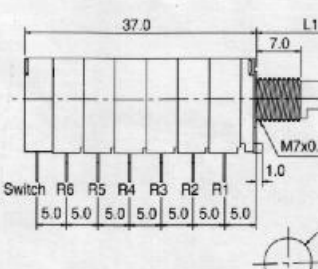
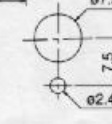
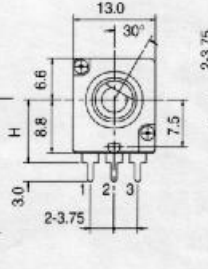
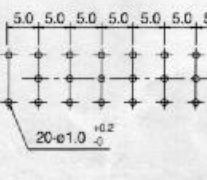
Total resistance	500Ω ~ 500KΩ		200Ω ~ 500KΩ	500Ω ~ 500KΩ	500Ω ~ 1MΩ	
Total resistance tolerance	±20%		±10%	±20%		
Resistance taper	A,B,C,D,W		A,B,C,D,E,W	A,B,C,D,W	A,B,C	
Ratings power	B taper 0.08W Other taper 0.04W		0.2W	B taper 0.08W Other taper 0.04W		
Maximum operating voltage	30V AC, DC		200V AC	30V AC, DC	B taper 150V AC Other taper 100V AC	
Sliding noise	47mV max. (When Voltage rating < 20V, use the rated voltage)		—	47mV max. (When Voltage rating < 20V, use the rated voltage)		
Gang error	—		—		3dB max. (-40 ~ 0dB)	
Insulation resistance	100MΩ min. at 250V DC		50MΩ min. at 500V DC	100MΩ min. at 250V DC	50MΩ at 500V DC	
Voltage proof	1 minute at 250V AC		1 minute at 500V AC	1 minute at 250V AC		
Rotational life	15,000 cycles		100,000 cycles	15,000 cycles	10,000 cycles	

■ Switch characteristics

Switch contact resistance	20mΩ max.	—	20mΩ max.
Switch ratings power	12V DC 1A	—	12V DC 1A
Switch life	10,000 cycles	—	10,000 cycles
Switch working angle	50°±10°	—	50°±10°
Switch working torque	150 ~450 gf.cm	—	150 ~450 gf.cm
Switch circuit	S.P.S.T	—	S.P.S.T

12MM SIZE METAL SHAFT ROTARY POTENTIOMETERS

■ 12mm Size Metal Shaft Potentiometers

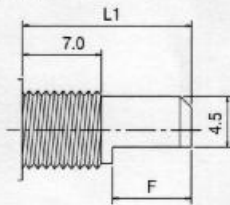
Model	Dimensions						
<p>RK1261(3)G2 Horizontal Type Single shaft Quad-unit</p> 	 <p>23.5 L1 7.0 M7x0.75 1.0 R4 R3 R2 R1 5.0 5.0 5.0 5.0</p> 	 <p>13.0 30° H 8.8 6.6 7.5 3.0 1 2 3 2-3.75</p>	 <p>5.0 5.0 5.0 5.0 2-3.75 12-ϕ1.0^{+0.2}₀</p> <table border="1" data-bbox="1212 728 1404 795"> <tr> <td>H</td> <td>10 / 12.5</td> </tr> <tr> <td>L1</td> <td>15 / 20 / 25 / 30</td> </tr> </table>	H	10 / 12.5	L1	15 / 20 / 25 / 30
H	10 / 12.5						
L1	15 / 20 / 25 / 30						
<p>RK1261(3)G2S Horizontal Type Single shaft Quad-unit With Switch</p> 	 <p>27.0 L1 7.0 M7x0.75 1.0 Switch R4 R3 R2 R1 5.0 5.0 5.0 5.0 5.0</p> 	 <p>13.0 30° H 8.8 6.6 7.5 3.0 1 2 3 2-3.75</p>	 <p>5.0 5.0 5.0 5.0 5.0 2-3.75 14-ϕ1.0^{+0.2}₀</p> <table border="1" data-bbox="1212 1120 1404 1187"> <tr> <td>H</td> <td>10 / 12.5</td> </tr> <tr> <td>L1</td> <td>15 / 20 / 25 / 30</td> </tr> </table>	H	10 / 12.5	L1	15 / 20 / 25 / 30
H	10 / 12.5						
L1	15 / 20 / 25 / 30						
<p>RK1261(3)G3 Horizontal Type Single shaft 6-Ganged-unit</p> 	 <p>33.5 L1 7.0 M7x0.75 1.0 R6 R5 R4 R3 R2 R1 5.0 5.0 5.0 5.0 5.0 5.0</p> 	 <p>13.0 30° H 8.8 6.6 7.5 3.0 1 2 3 2-3.75</p>	 <p>5.0 5.0 5.0 5.0 5.0 5.0 2-3.75 18-ϕ1.0^{+0.2}₀</p> <table border="1" data-bbox="1212 1512 1404 1579"> <tr> <td>H</td> <td>10 / 12.5</td> </tr> <tr> <td>L1</td> <td>15 / 20 / 25 / 30</td> </tr> </table>	H	10 / 12.5	L1	15 / 20 / 25 / 30
H	10 / 12.5						
L1	15 / 20 / 25 / 30						
<p>RK1261(3)G3S Horizontal Type Single shaft 6-Ganged-unit With switch</p> 	 <p>37.0 L1 7.0 M7x0.75 1.0 Switch R6 R5 R4 R3 R2 R1 5.0 5.0 5.0 5.0 5.0 5.0 5.0</p> 	 <p>13.0 30° H 8.8 6.6 7.5 3.0 1 2 3 2-3.75</p>	 <p>5.0 5.0 5.0 5.0 5.0 5.0 5.0 2-3.75 20-ϕ1.0^{+0.2}₀</p> <table border="1" data-bbox="1212 1904 1404 1971"> <tr> <td>H</td> <td>10 / 12.5</td> </tr> <tr> <td>L1</td> <td>15 / 20 / 25 / 30</td> </tr> </table>	H	10 / 12.5	L1	15 / 20 / 25 / 30
H	10 / 12.5						
L1	15 / 20 / 25 / 30						

12MM SIZE METAL SHAFT ROTARY POTENTIOMETERS

■ 12mm Size Metal Shaft Potentiometers

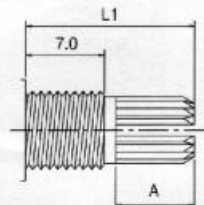
RK126 Shaft Style

F Shaft Style



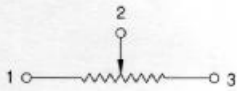
L1	15	20	25	30
F	7	12	12	12

Y Shaft Style

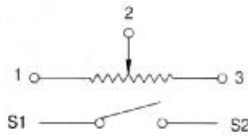


L1	15	20	25	30
A	7	10	12	12

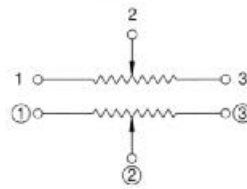
RK126 circuit



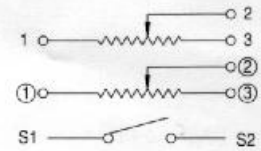
single-unit



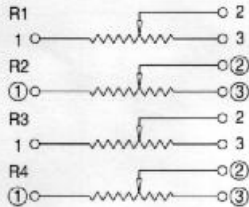
single-unit with switch



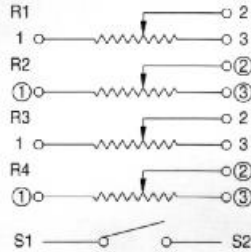
Dual-unit



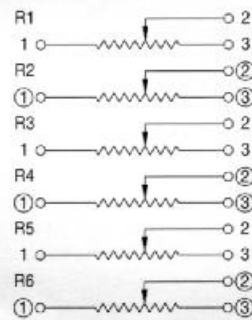
Dual-unit with switch



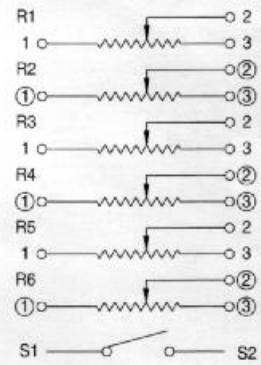
Quad-unit



Quad-unit with switch



6-Ganged-unit



6-Ganged-unit with switch



COMMON SPECIFICATION

