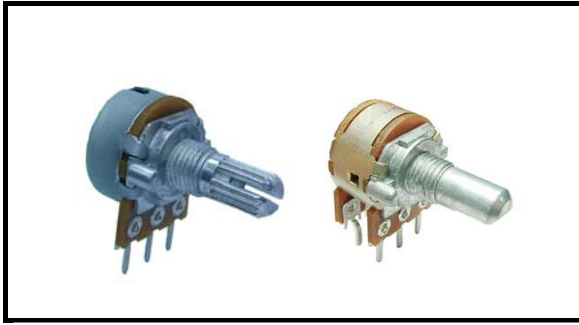


ROTARY POTENTIOMETERS

16mm Size Metal Shaft Potentiometers

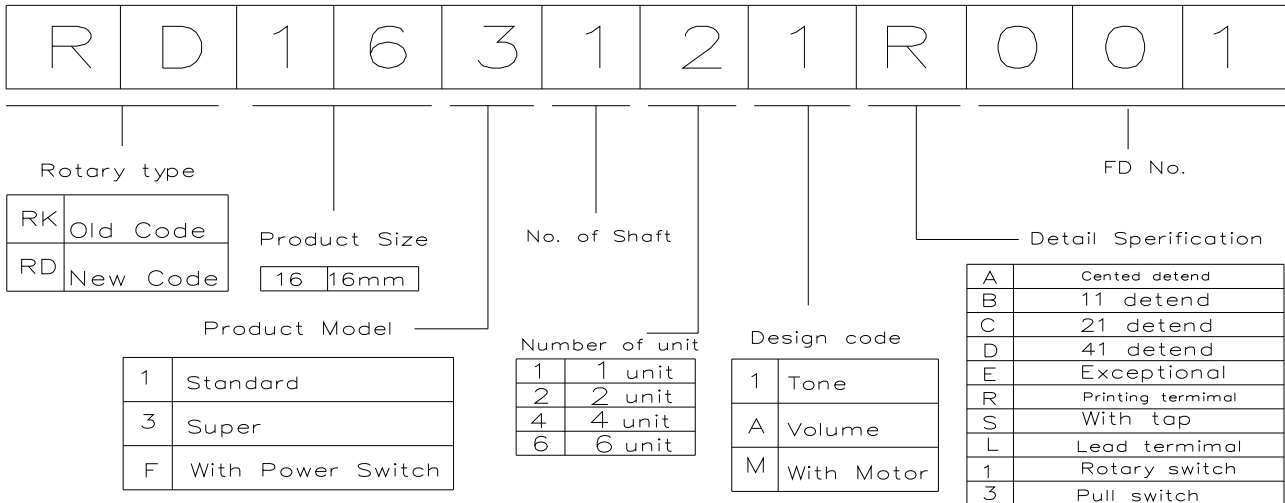


◆ Feature

- Our main series, ideal for various TV and audio products and general purpose as well.

◆ Applications

- TV set, radio, stereo equipment etc.



◆ Common Specification


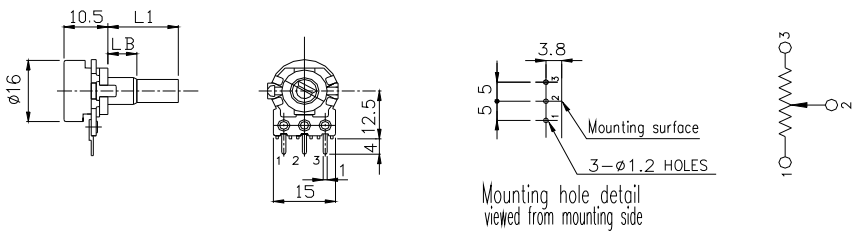

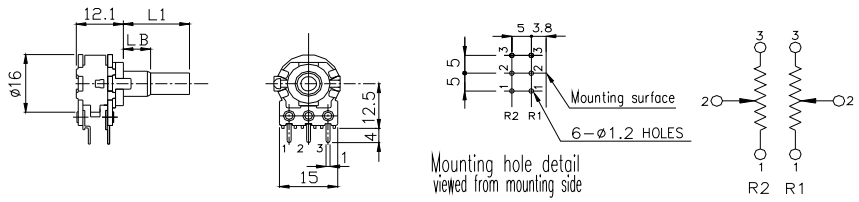
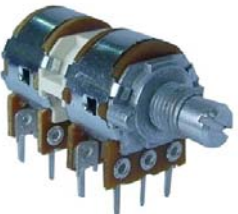
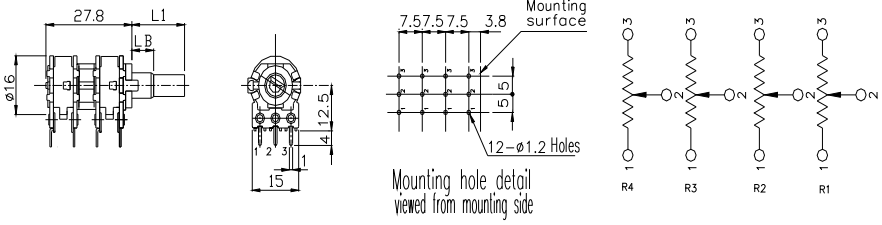
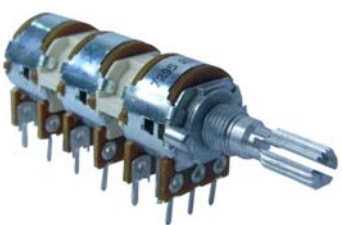
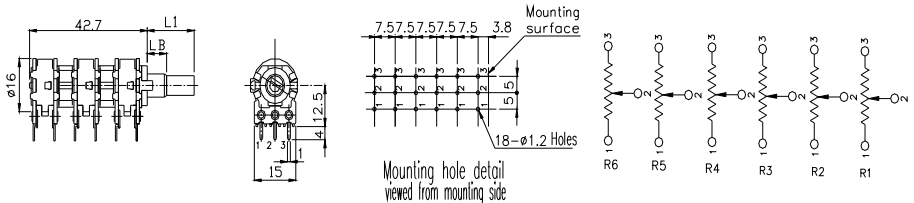

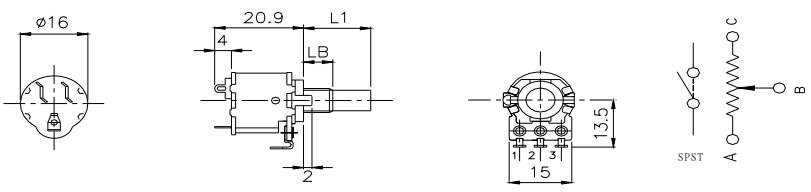

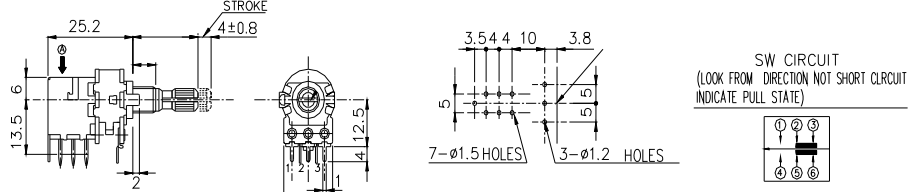
Characteristics	Specification	
Total rotational angle	300±5°	
Rotational torque	30~250gf.cm	
Detent torque	center detent	Rotational torque+ (20~200) gf.cm
	11、21、41detent	100~500gf.cm
Rotation stopper strength	9Kgf.cm	
Push pull strength	10kgf max	
Detent angle	center detent	150±3°
	11 detent	30±2°
	21 detent	15±2°
	41 detent	7.5±2°
Both ends±3°		
Total resistance (KΩ)	5,10,20,50,100,250,500	
Total resistance tolerance	±20%	
Rated power	B taper:0.1W Other than B taper 0.05W	
Resistance taper	A,B,C,D,E,K,W,RD,M,N	
Maximum operating Voltage	150V AC 20V DC	
For general Residual resistance use	10Ω max	
Maximum attenuation level for volume control	5kΩ ≤ R < 10kΩ 70dB min.	
	10kΩ ≤ R < 50kΩ 80dB min.	
	50kΩ ≤ R < 100kΩ 90dB min.	
	100kΩ ≤ R 100dB min.	
Insertion loss for volume control	0.1dB max	
Gang error	For volume	-40 to 0dB±3dB max -60 to 0dB±3dB max
	For tone	±2dB max, at 50% rotation angle
Slider noise	47 mV max. According to JIS-6443	
Insulation resistance	100mΩ min. 500V DC	
Withstand voltage	1 minute 100V AC	
Rotation life	15,000 cycles	

ROTARY POTENTIOMETERS

16mm Size Metal Shaft Potentiometers

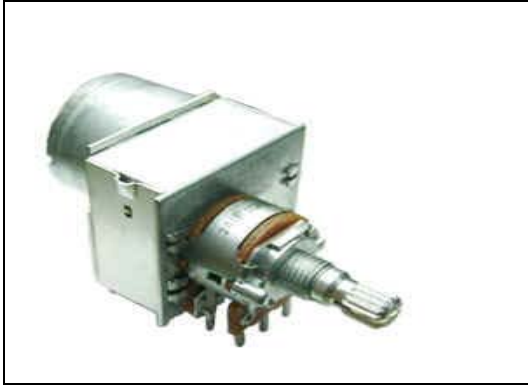
◆Dimensions

Unit : mm

Model	Dimensions
<p>Single shaft, single unit RD163111</p> 	 <p>Mounting hole detail viewed from mounting side</p>
<p>Single shaft, dual unit RD16312</p> 	 <p>Mounting hole detail viewed from mounting side</p>
<p>Single shaft, quad unit RD16314</p> 	 <p>Mounting hole detail viewed from mounting side</p>
<p>Single -shaft, 6 ganged unit RD16316</p> 	 <p>Mounting hole detail viewed from mounting side</p>
<p>Single shaft, single unit With rotary switch RD1631111-5M1111(SPST) RD1631111-5M1112(SPDT) (DC 30V 3A)</p> 	 <p>SPST</p>
<p>Single shaft, single unit With push-pull switch RD1611113 (DC 30V 0.3A)</p> 	 <p>SW CIRCUIT (LOOK FROM DIRECTION NOT SHORT CIRCUIT INDICATE PULL STATE)</p>

ROTARY POTENTIOMETERS

16mm Size Rotary Motor-Driven Potentiometers



◆ Feature


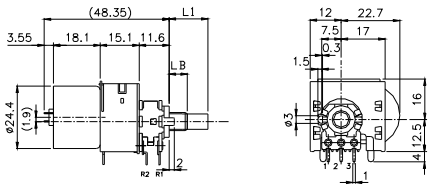
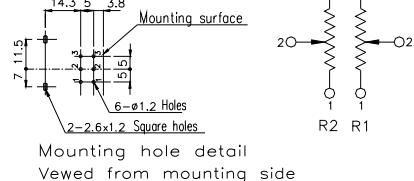

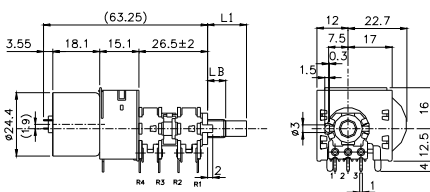
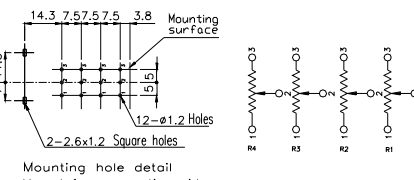
- Potentiometers for various audio products can be remote controlled.
- Permits motor driving and manual operation

◆ Applications

- For volume control in amplifier, CD player, radio-cassette act.

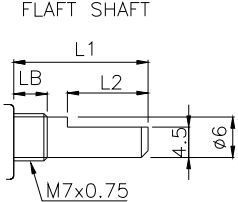
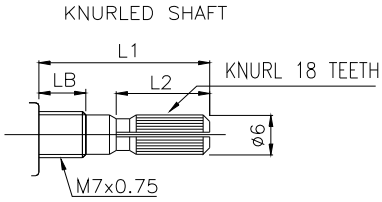
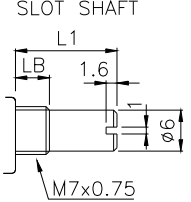
◆ Dimensions

Unit mm

Model	Dimensions
Single shaft, dual unit RD1631MC 	 
Single shaft, quad unit RD16314MC 	 

- Motor current: At 4.5V DC applied to motor. Normal operating 100mA max. sipping operating at both ends 150mA max

◆ Dimensions of shaft

SHAFT TYPE	Diagram	Table 1	Table 2	Table 3																																
FLAFT SHAFT		<table border="1"> <tr><td>L1</td><td>15</td><td>20</td><td>25</td></tr> <tr><td>L2</td><td>7</td><td>12</td><td>12</td></tr> <tr><td>LB</td><td>5</td><td>7</td><td>7</td></tr> </table>	L1	15	20	25	L2	7	12	12	LB	5	7	7	<table border="1"> <tr><td>L1</td><td>15</td><td>20</td><td>25</td></tr> <tr><td>L2</td><td>7</td><td>11</td><td>14</td></tr> <tr><td>LB</td><td>5</td><td>7</td><td>7</td></tr> </table>	L1	15	20	25	L2	7	11	14	LB	5	7	7	<table border="1"> <tr><td>L1</td><td>15</td><td>20</td><td>25</td></tr> <tr><td>LB</td><td>5</td><td>7</td><td>7</td></tr> </table>	L1	15	20	25	LB	5	7	7
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SLOT SHAFT		<table border="1"> <tr><td>L1</td><td>15</td><td>20</td><td>25</td></tr> <tr><td>LB</td><td>5</td><td>7</td><td>7</td></tr> </table>	L1	15	20	25	LB	5	7	7	<table border="1"> <tr><td>L1</td><td>15</td><td>20</td><td>25</td></tr> <tr><td>LB</td><td>5</td><td>7</td><td>7</td></tr> </table>	L1	15	20	25	LB	5	7	7	<table border="1"> <tr><td>L1</td><td>15</td><td>20</td><td>25</td></tr> <tr><td>LB</td><td>5</td><td>7</td><td>7</td></tr> </table>	L1	15	20	25	LB	5	7	7								
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