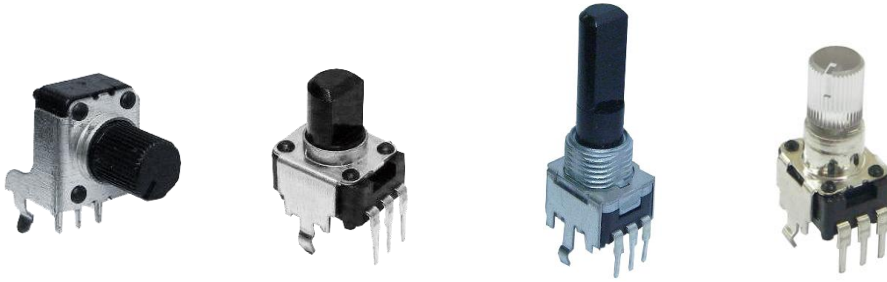


9mm Size Snap-in Insulated Shaft Potentiometers



◆ FEATURE

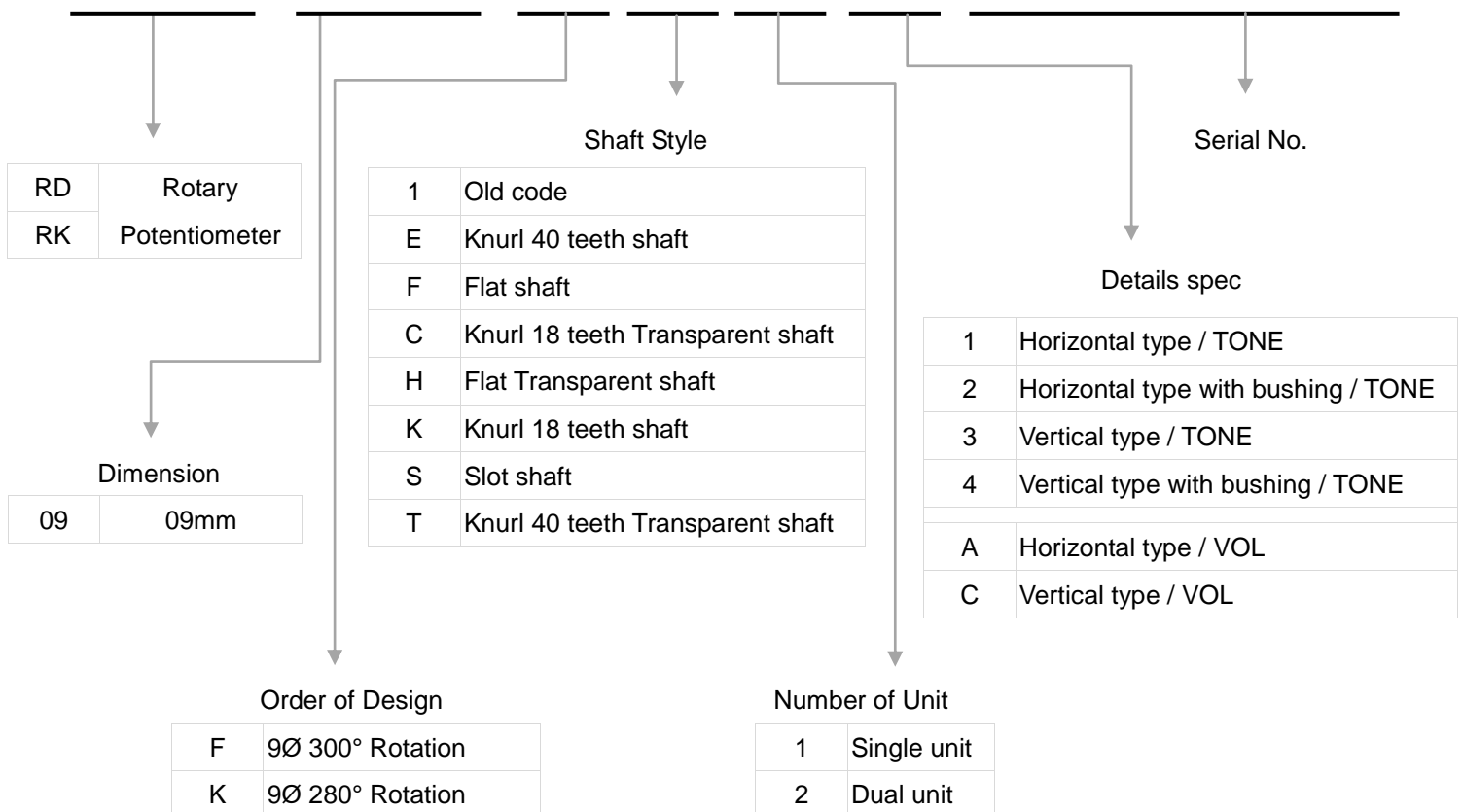
- Insert-molding with resin applied around the resistor Assures high flux resistance.
- Available with a wide choice of shafts.
- Units can be provided with bushing and detent.
- Dust-proof construction without any opening part.
- 9.8mm outline size is ideal for high-density set design.

◆ APPLICATIONS

- TV sets, VCRs, radios, etc.

◆ PRODUCTS NUMBERING SYSTEM

R	K	0	9	K	1	1	1	0	0	0	1
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◆ COMMON SPECIFICATIONS

Application	9mm size	
	Single-unit	Dual-unit
Total resistance (K Ω)	5、10、20、50、100、250、500	5、10、20、50、100、250、500
Total resistance Tolerance	$\pm 20\%$	$\pm 30\%$
Resistance taper	A、B、C、D、E、K、W	A、B、C、D
Power rating	0.05W	0.03W
Max operating Voltage	50V A.C 20V D.C	50V A.C For A.C only
Rotational angle	280 $\pm 5^\circ$	300 $\pm 5^\circ$
rating torque	10~80gf-cm	
Rotational Life	5,000 cycles	10,000 cycles

◆ PRODUCTS LINE

Size (mm)	Type	Type	Model	Bushing	Center Detent	With collar	Mounting Height (mm)	For DC Use
9	Single unit	Horizontal	RK09K111	—	∨	∨	6.5、10、12.5	20V D.C
			RD09K112	∨	∨	—		
		Vertical	RK09K113	—	∨	∨	—	
			RD09K114	∨	∨	—		
	Single unit	Horizontal	RD09F111	—	∨	∨	6.5、10、12.5	
			RD09F112	∨	∨	—		
		Vertical	RD09F113	—	∨	∨	—	
			RD09F114	∨	∨	—		
Dual unit	Horizontal	RK09K12A	—	∨	∨	6.5	—	
	Vertical	RK09K12C	—	∨	∨	—		

ROTARY POTENTIOMETERS

9mm Size Snap-in Insulated Shaft Potentiometers

◆ **STANDARD DIMENSION OF SHAFT AND BUSHING**

Unit : mm

Knurled 40 teeth Type

Without Bushing								Shaft shown in full ccw position
Horizontal		Vertical		Horizontal (With collar)		Vertical (With collar)		
L	L1	L	L1	L	L1	L	L1	280° Rotation
15	6	15	6					
20	7	20	7	20	7	20	7	
25	7	25	7	25	7	25	7	
30	7	30	7	30	7	30	7	
35	7	35	7	35	7	35	7	300° Rotation

Flat Type

Without Bushing								Shaft shown in full ccw position
Horizontal		Vertical		Horizontal (With collar)		Vertical (With collar)		
L	L1	L	L1	L	L1	L	L1	280° Rotation
15	6	15	6					
20	7	20	7	20	7	20	7	
25	12	25	12	25	12	25	12	
30	12	30	12	30	12	30	12	
								300° Rotation

Knurled 18 teeth Type

Without Bushing								Shaft shown in full ccw position
Horizontal		Vertical		Horizontal (With collar)		Vertical (With collar)		
L	L1	L	L1	L	L1	L	L1	280° Rotation
20	7	20	7	20	7	20	7	
25	7	25	7	25	7	25	7	
								300° Rotation

ROTARY POTENTIOMETERS

9mm Size Snap-in Insulated Shaft Potentiometers

Screw-driver adjustment Type

Without Bushing								Shaft shown in full ccw position
Horizontal		Vertical		Horizontal (With collar)		Vertical (With collar)		
L	L1	L	L1	L	L1	L	L1	
9.5	—	9.5	—					
15	6	15	6					
20	7	20	7	20	7	20	7	
25	7	25	7	25	7	25	7	
								280° Rotation
								300° Rotation

◆ STANDARD DIMENSION OF SHAFT AND BUSHING

Unit : mm


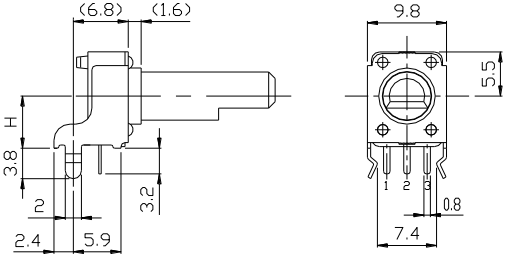
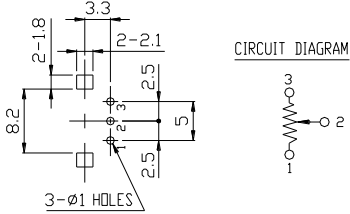

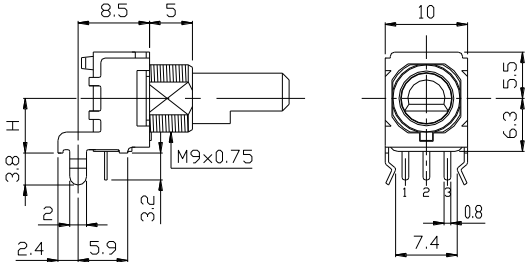
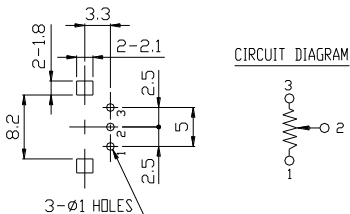

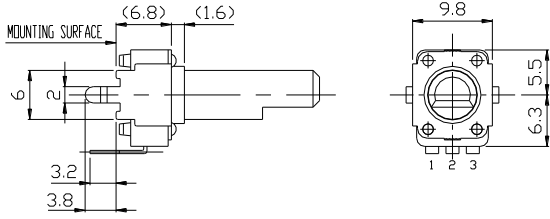
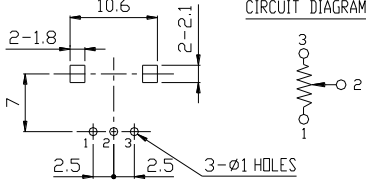

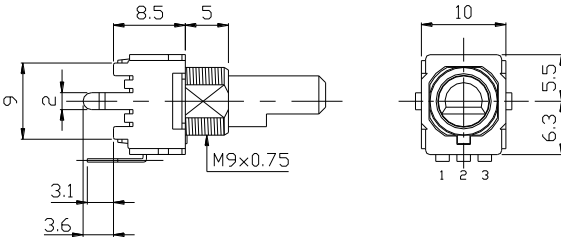
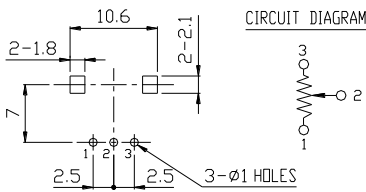
With Bushing							
Knurled 40 teeth Type				Flat Type			
Horizontal		Vertical		Horizontal		Vertical	
L	L1	L	L1	L	L1	L	L1
25	7	25	7	25	12	25	12
30	7	30	7	30	12	30	12
35	7	35	7				
Knurled 18 teeth Type				Screw-driver adjustment Type			
Horizontal		Vertical		Horizontal		Vertical	
L	L1	L	L1	L	L1	L	L1
25	7	25	7	25	7	25	7

ROTARY POTENTIOMETERS

9mm Size Snap-in Insulated Shaft Potentiometers

◆ SINGLE - SHAFT , SINGLE - UNIT

Unit : mm


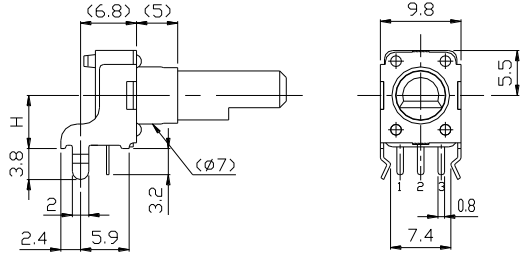
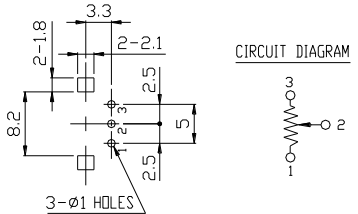

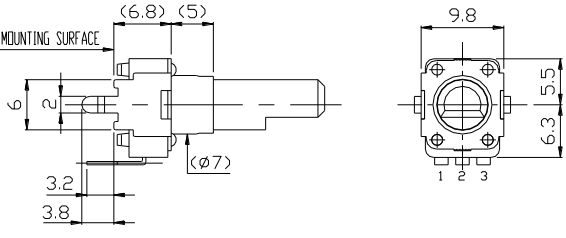
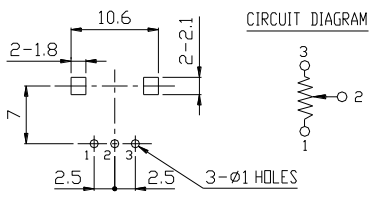
Model	Dimensions	Mounting hole details / Circuit
RK09K111 (280 ° Rotation) RD09F111 (300 ° Rotation) 	 <p>※Available mounting height(H) : 6.5 · 10 · 12.5mm</p>	 <p>CIRCUIT DIAGRAM</p>
RD09K112 (280 ° Rotation) RD09F112 (300 ° Rotation) 	 <p>※Available mounting height(H) : 6.5 · 10 · 12.5mm</p>	 <p>CIRCUIT DIAGRAM</p>
RK09K113 (280 ° Rotation) RD09F113 (300 ° Rotation) 		 <p>CIRCUIT DIAGRAM</p>
RD09K114 (280 ° Rotation) RD09F114 (300 ° Rotation) 		 <p>CIRCUIT DIAGRAM</p>

ROTARY POTENTIOMETERS

9mm Size Snap-in Insulated Shaft Potentiometers

◆ SINGLE - SHAFT , SINGLE - UNIT

Unit : mm

Model	Dimensions	Mounting hole details / Circuit
<p>RK09K111Z (280 ° Rotation) RD09F111Z (300 ° Rotation)</p> 	 <p>※Available mounting height(H) : 6.5 · 10 · 12.5mm</p>	 <p>CIRCUIT DIAGRAM</p>
<p>RK09K113Z(280 ° Rotation) RD09F113Z (300 ° Rotation)</p> 		 <p>CIRCUIT DIAGRAM</p>

ROTARY POTENTIOMETERS

9mm Size Snap-in Insulated Shaft Potentiometers

◆ STANDARD DIMENSION OF SHAFT AND BUSHING

Unit : mm

Knurled 40 teeth Type

Without Bushing							
Horizontal		Vertical		Horizontal (With collar)		Vertical (With collar)	
L	L1	L	L1	L	L1	L	L1
15	6	15	6	/		/	
20	7	20	7	20	7	20	7
25	7	25	7	25	7	25	7
30	7	30	7	30	7	30	7

Flat Type


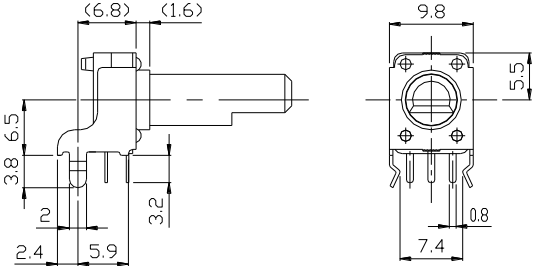
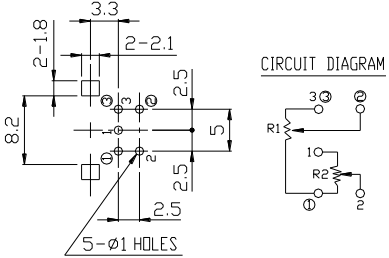

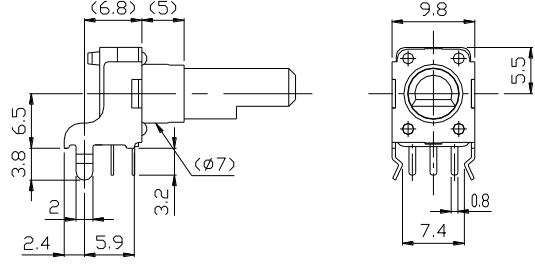
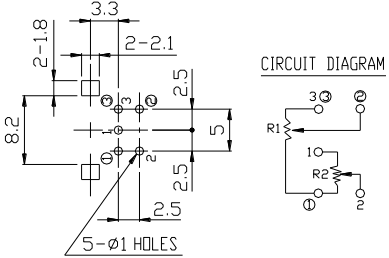

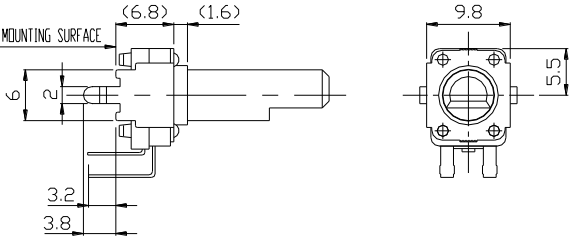
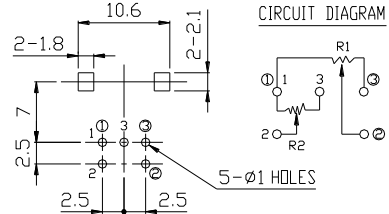

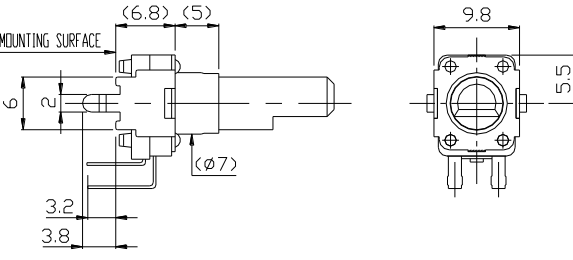
Without Bushing							
Horizontal		Vertical		Horizontal (With collar)		Vertical (With collar)	
L	L1	L	L1	L	L1	L	L1
15	6	15	6	/		/	
20	7	20	7	20	7	20	7
25	12	25	12	25	12	25	12
30	12	30	12	30	12	30	12

ROTARY POTENTIOMETERS

9mm Size Snap-in Insulated Shaft Potentiometers

◆ SINGLE-SHAFT ,DUAL-UNIT

Unit : mm.

Model	Dimensions	Mounting hole details/ Circuit
<p>RK09K12A</p> 		<p>Tapers A,B,D</p> 
<p>RK09K12AZ</p> 	 <p>※ Mounting height H =6.5mm only</p>	<p>Tapers C, RD</p> 
<p>RK09K12C</p> 		<p>Tapers A,B,D</p> 
<p>RK09K12CZ</p> 		<p>Tapers C, RD</p> 