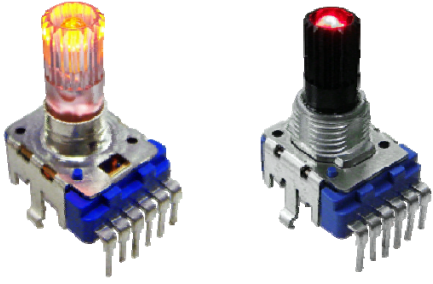


# ROTARY POTENTIOMETERS

## 12mm Insert LED Potentiometers



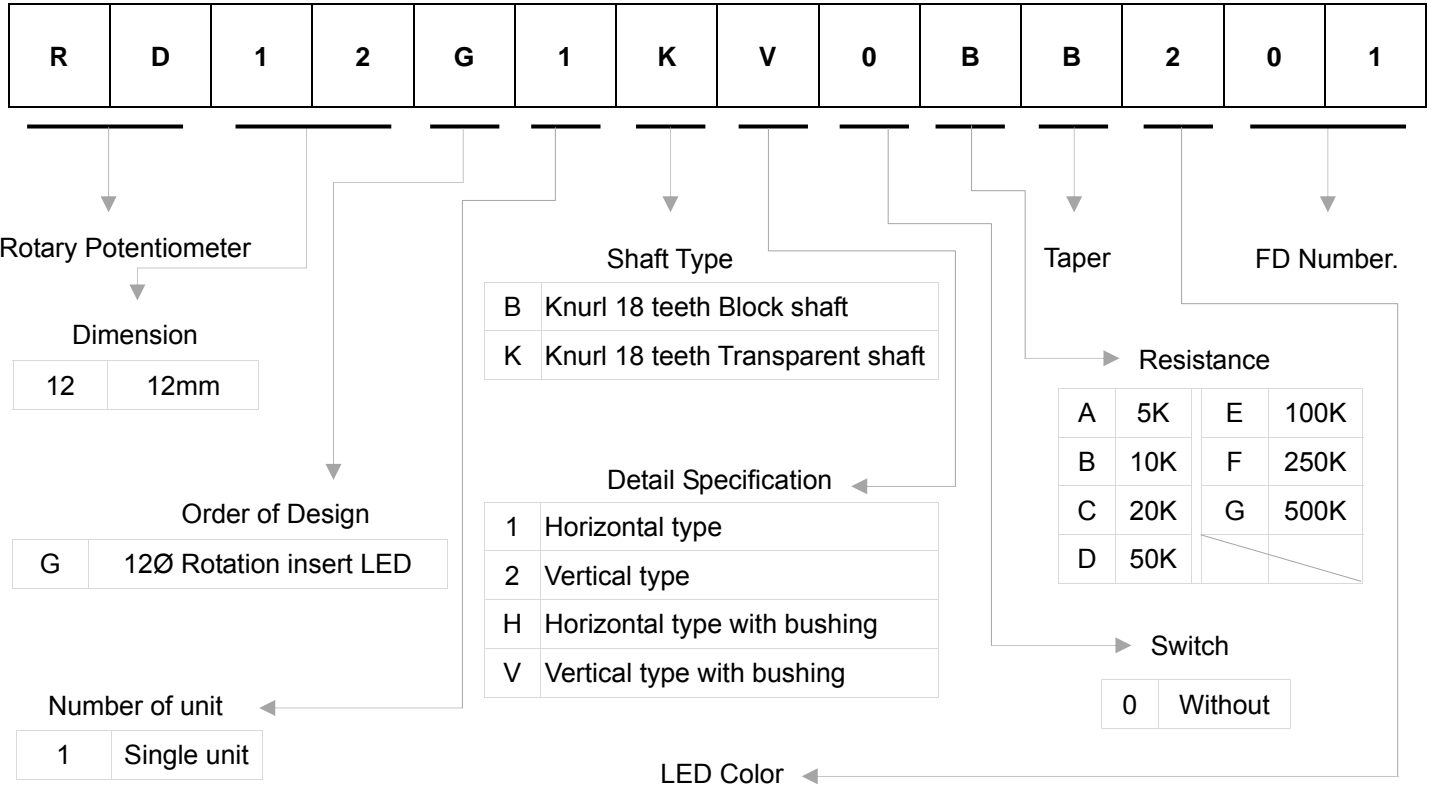
### ◆ FEATURE

- Outset molding with resin around the resistor prevents flux build-up.
- Red、green、blue and orange LED colors are available.

### ◆ APPLICATIONS

- Ideal for volume, tone and balance control of car audio equipment.

### ◆ PRODUCTS NUMBERING SYSTEM



Single Color		Two Colors	
0	Red	A	Blue / Orange
1	Lawngreen	G	Red / Lawngreen
2	Blue	H	Blue / Lawngreen
3	Orange		
4	White		
6	Dark orange		

# ROTARY POTENTIOMETERS

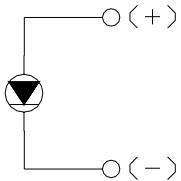
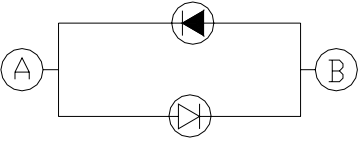
## 12mm Insert LED Potentiometers

### ◆ COMMON SPECIFICATION

Characteristics	Specification
Model	RD12G
Total rotational angle	300±5°
Rotational torque	30~250gf.cm
Rotation stopper strength	5Kgf.cm
Push pull strength	8kgf max
Total resistance	5,10,20,50,100,250(KΩ)
Total resistance tolerance	±20%
Rated power	0.05W
Maximum operating	50V AC 10V DC
Resistance taper	A,B,C,D,E,K,W
Insulation resistance	100mΩ min. 250V DC
Withstand voltage	1 minute 300V AC
Rotation life	15,000 cycles

### DIMENSIONS

Unit : mm

Emitted color	
	
Single color LED	Two colors LED
Red	Blue / Orange
Lawngreen	Red / Lawngreen
Blue	Blue / Lawngreen
Orange	
White	
Dark orange	

# ROTARY POTENTIOMETERS

## 12mm Insert LED Potentiometers

### STANDARD DIMENSION OF SHAFT AND BUSHING

Unit: mm

Knurled Shaft	Knurled Shaft With Bushing	Shaft angle
		<p>SHAFT SHOWN IN CENTER POSITION</p>

### DIMENSIONS

Unit: mm


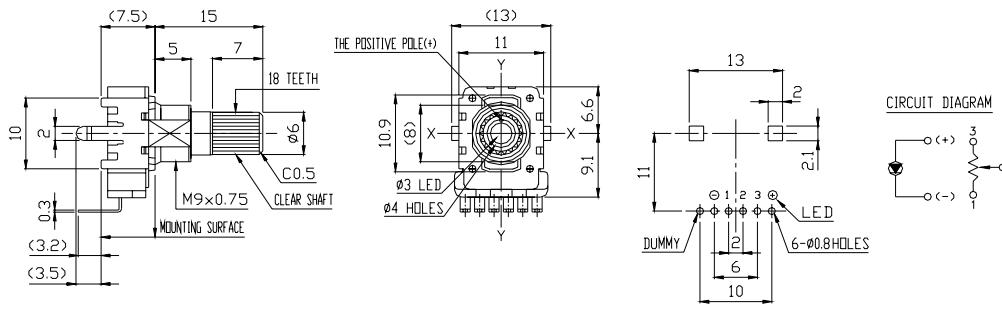

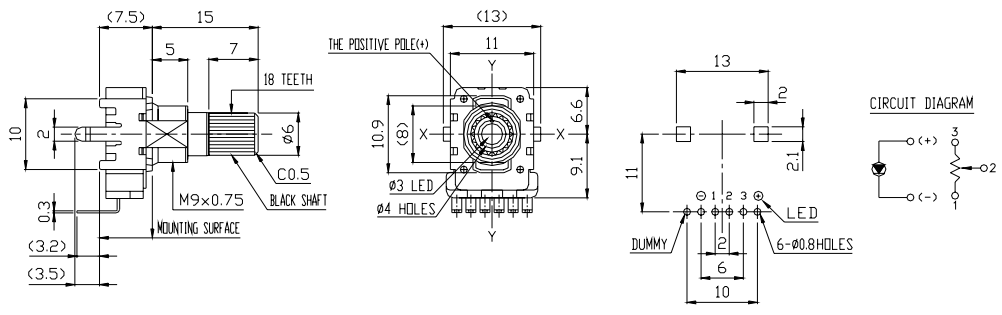
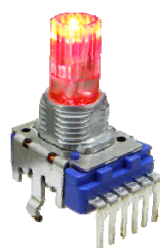
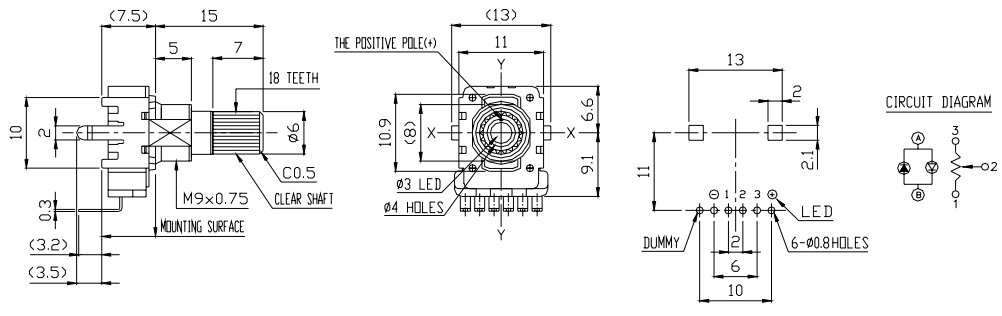
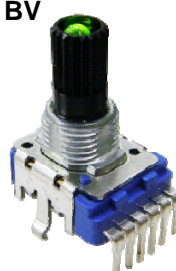
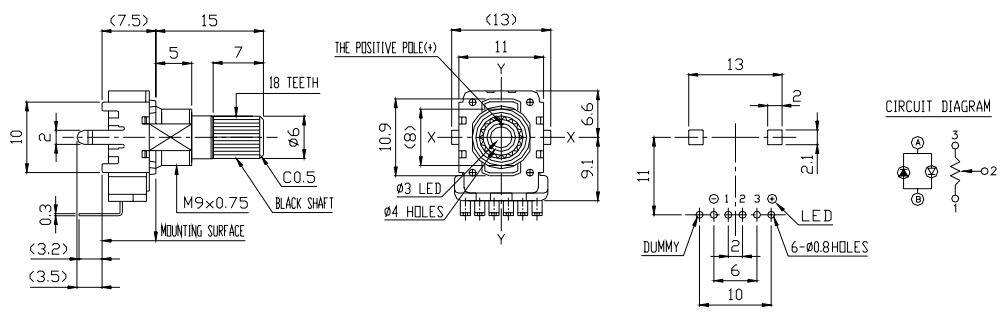
Model	Dimensions		
Clear shaft, single unit With single color LED <b>RD12G1KV</b>			<p>CIRCUIT DIAGRAM</p>
Black shaft, single unit With single color LED <b>RD12G1BV</b>			<p>CIRCUIT DIAGRAM</p>
Clear shaft, single unit With dual color LED <b>RD12G1KV</b>			<p>CIRCUIT DIAGRAM</p>
Black shaft, single unit With dual color LED <b>RD12G1BV</b>			<p>CIRCUIT DIAGRAM</p>

# ROTARY POTENTIOMETERS

## 12mm Insert LED Potentiometers

### DIMENSIONS

Unit: mm

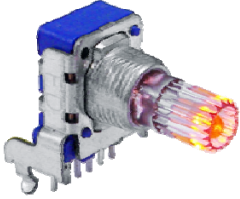
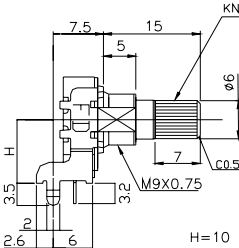
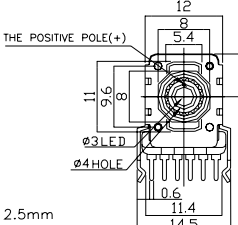
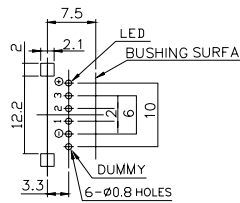
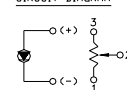

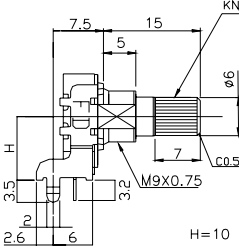
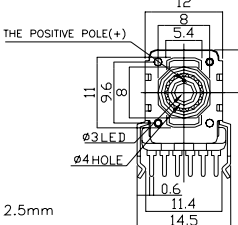
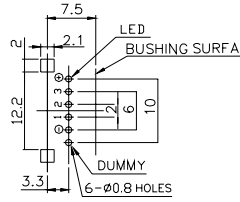
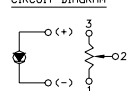
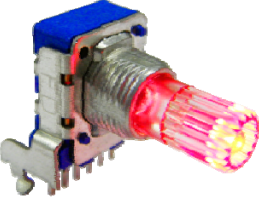
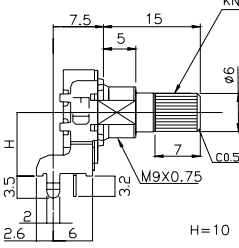
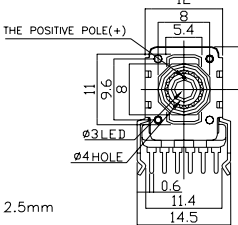
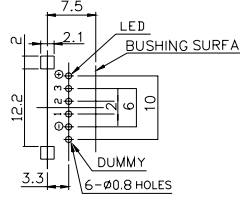
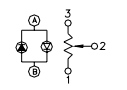
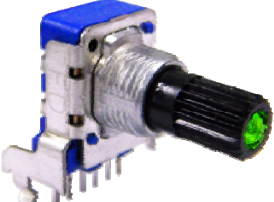
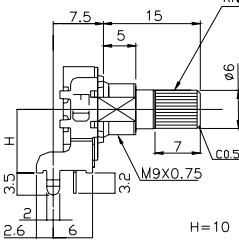
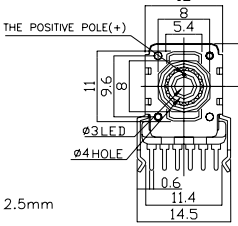
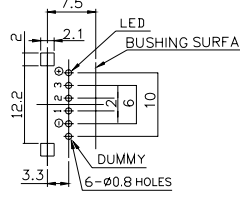
Model	Dimensions		
<p>Clear shaft, single unit With Bushing and single color LED <b>RD12G1KV</b></p> 			
<p>Black shaft, single unit With Bushing and single color LED <b>RD12G1BV</b></p> 			
<p>Clear shaft, single unit With Bushing and dual color LED <b>RD12G1KV</b></p> 			
<p>Black shaft, single unit With Bushing and dual color LED <b>RD12G1BV</b></p> 			

# ROTARY POTENTIOMETERS

## 12mm Insert LED Potentiometers

### DIMENSIONS

Unit: mm

Model	Dimensions		
<p>Clear shaft, single unit With Bushing and single color LED <b>RD12G1KH</b></p> 	 <p>KNURL 18 TEETH 7.5 15 5 7 0.5 M9X0.75 H=10 or 12.5mm</p>	 <p>THE POSITIVE POLE(+) 12 8 5.4 6.7 11 9.6 8 Ø3 LED Ø4 HOLE 0.6 11.4 14.5</p>	 <p>7.5 2 2.1 LED BUSHING SURFACE 12.2 10 6 3.31 6-Ø0.8 HOLES DUMMY</p> <p>CIRCUIT DIAGRAM</p> 
<p>Black shaft, single unit With Bushing and single color LED <b>RD12G1BH</b></p> 	 <p>KNURL 18 TEETH 7.5 15 5 7 0.5 M9X0.75 H=10 or 12.5mm</p>	 <p>THE POSITIVE POLE(+) 12 8 5.4 6.7 11 9.6 8 Ø3 LED Ø4 HOLE 0.6 11.4 14.5</p>	 <p>7.5 2 2.1 LED BUSHING SURFACE 12.2 10 6 3.31 6-Ø0.8 HOLES DUMMY</p> <p>CIRCUIT DIAGRAM</p> 
<p>Clear shaft, single unit With Bushing and dual color LED <b>RD12G1BH</b></p> 	 <p>KNURL 18 TEETH 7.5 15 5 7 0.5 M9X0.75 H=10 or 12.5mm</p>	 <p>THE POSITIVE POLE(+) 12 8 5.4 6.7 11 9.6 8 Ø3 LED Ø4 HOLE 0.6 11.4 14.5</p>	 <p>7.5 2 2.1 LED BUSHING SURFACE 12.2 10 6 3.31 6-Ø0.8 HOLES DUMMY</p> <p>CIRCUIT DIAGRAM</p> 
<p>Black shaft, single unit With Bushing and dual color LED <b>RD12G1BH</b></p> 	 <p>KNURL 18 TEETH 7.5 15 5 7 0.5 M9X0.75 H=10 or 12.5mm</p>	 <p>THE POSITIVE POLE(+) 12 8 5.4 6.7 11 9.6 8 Ø3 LED Ø4 HOLE 0.6 11.4 14.5</p>	 <p>7.5 2 2.1 LED BUSHING SURFACE 12.2 10 6 3.31 6-Ø0.8 HOLES DUMMY</p> <p>CIRCUIT DIAGRAM</p> 