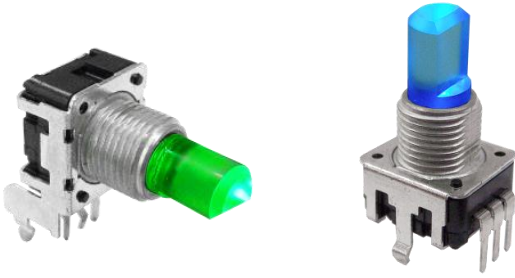


ROTARY POTENTIOMETERS

12mm With LED Potentiometers



◆ FEATURE

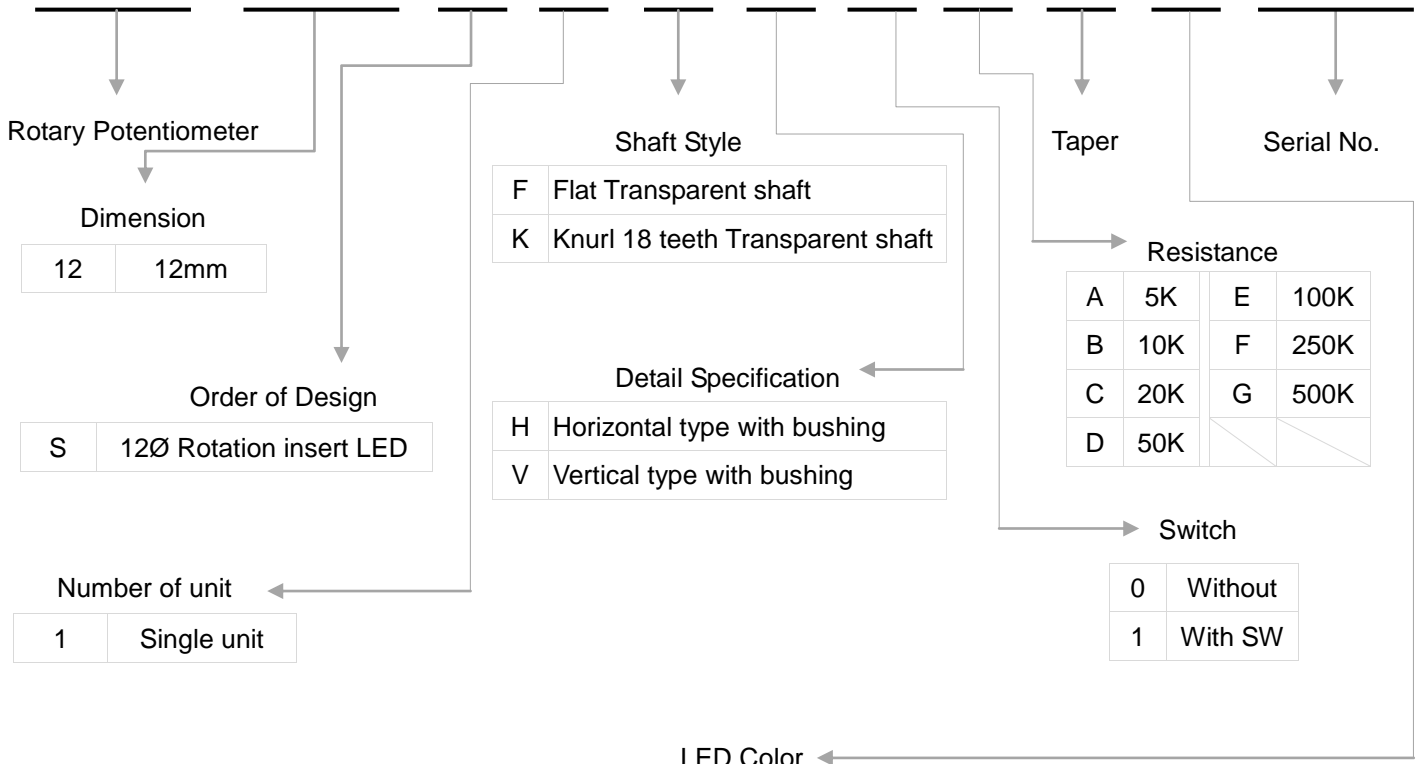
- Outset molding with resin around the resistor prevents flux build-up.
- Red 、 green 、 blue and orange LED colors are available.

◆ APPLICATIONS

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

◆ PRODUCTS NUMBERING SYSTEM

R	D	1	2	S	1	F	V	0	B	B	2	0	1
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LED Color

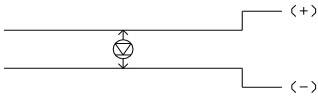
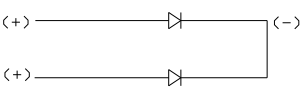
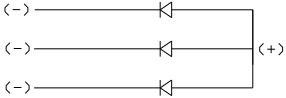
Single Color		Two Color		Three Color	
0	Red	A	Blue / Orange	M	Red / Green / Blue
1	Lawn green	B	Green / Red		
2	Blue	C	Blue / Green		
3	Orange	E	Green / Orange		
4	White	F	Blue / Red		
5	Green	I	White / Red		
6	Dark orange				

◆ COMMON SPECIFICATION

Model	RD12S- Single Color	RD12S- Two Color	RD12S- Three Color
Total resistance (KΩ)	5、10、20、50、100、250		
Total resistance tolerance	±20%		
Resistance taper	A、B、C、D、E、K、W		
Rated power	0.05W		
Maximum operating	50V AC 10V DC		
Total rotational angle	300±5°		
Rotational torque	10~100gf.cm	50gf.cm Max	50gf.cm Max
Rotation stopper strength	3Kgf.cm		
Rotation life	30,000 cycles		
Switch rating	—	D.C.5V 10mA	D.C.5V 10mA
Switch contact resistance	—	100 mΩ Max	100 mΩ Max
Switch operating method	—	Push type	Push type
Switch contact arrangement	—	Push on	Push on
Switch stroke	—	0.3 (±0.15) mm	0.3 (±0.15) mm
Switch strength	—	450±200 gf	450±200 gf
Switch life	—	20,000 cycles	20,000 cycles

DIMENSIONS

Unit : mm

Emitted color		
		
Single color LED	Two colors LED	Three colors LED
Red	Blue / Orange	Red / Green / Blue
Lawn green	Green / Red	
Blue	Blue / Green	
Orange	Green / Orange	
White	Blue / Red	
Green	White / Red	
Dark orange		

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◆ STANDARD DIMENSION OF SHAFT AND BUSHING

Unit: mm

Flat Type		Knurled Type	
L1	L2	L1	L2
15	7		
20	7	20	7
		25	7

DIMENSIONS

Unit: mm

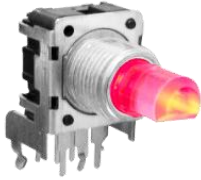
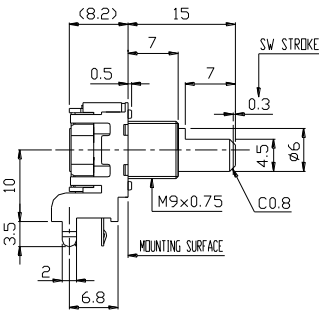
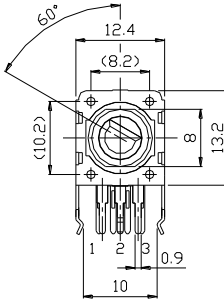
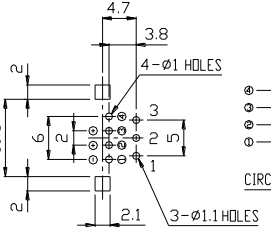
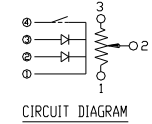

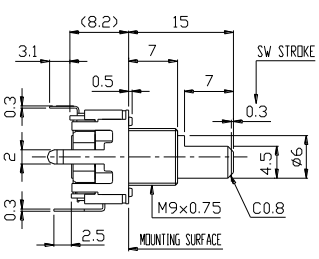
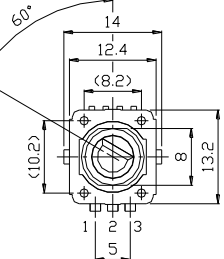
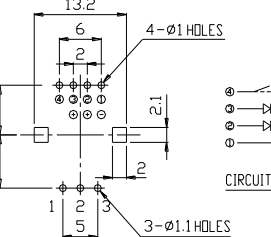
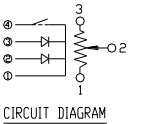
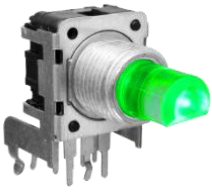
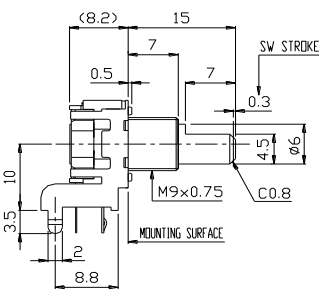
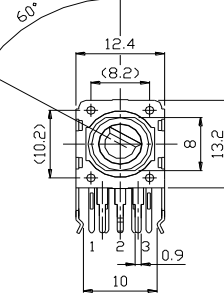
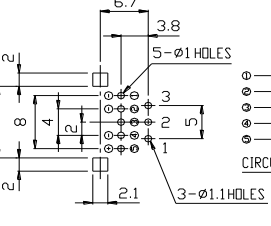
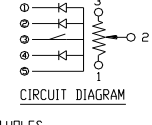

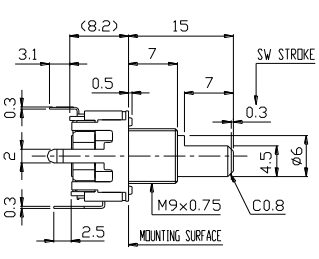
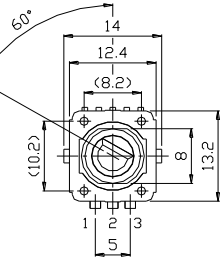
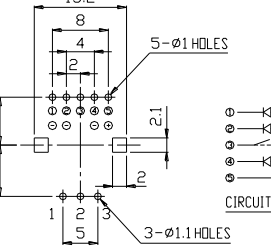
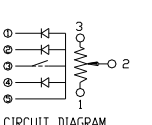
Model	Dimensions		
Single unit with single LED horizontal type RD12S1FH0			<p>CIRCUIT DIAGRAM</p>
Single unit with single LED vertical type RD12S1FV0			<p>CIRCUIT DIAGRAM</p>

ROTARY POTENTIOMETERS

12mm With LED Potentiometers

DIMENSIONS

Unit: mm

Model	Dimensions		
<p>Single unit with two colors LED & push on switch –0.5sw horizontal type RD12S1FH1</p> 		 <p>SHAFT SHOWN IN FULL CCW POSITION</p>	  <p>CIRCUIT DIAGRAM</p>
<p>Single unit with two colors LED & push on switch – 0.5sw vertical type RD12S1FV1</p> 			  <p>CIRCUIT DIAGRAM</p>
<p>Single unit with R.G.B LED & push on switch –0.5sw horizontal type RD12S1FH1</p> 		 <p>SHAFT SHOWN IN FULL CCW POSITION</p>	  <p>CIRCUIT DIAGRAM</p>
<p>Single unit with R.G.B LED & push on switch –0.5sw vertical type RD12S1FV1</p> 			  <p>CIRCUIT DIAGRAM</p>