

Slide Potentiometer Illuminated Type (Single-unit Type)

RS602 Series



Car Use



RoHS applicable

5 Available in three LED colors: red, orange and green, and ideal for audio uipment.



Features

- Available with tap.
- Snap-in type also available.
- Available in red, orange and green LED colors.

Applications

- In-vehicle heater control
- Audio equipment control

Rotary Potentiometers

Slide Potentiometers

Multi Control Devices

Rotary Sensors
Linear Sensors

General-use

Mixer

Typical Specifications

Items	Specifications
Total resistance tolerance	±20%
Maximum operating voltage	50V AC/10V DC
Operating force	0.3 to 2.5 N
Operating life	5,000 cycles
Operating temperature range	-25°C to +70°C

Recommended Products List

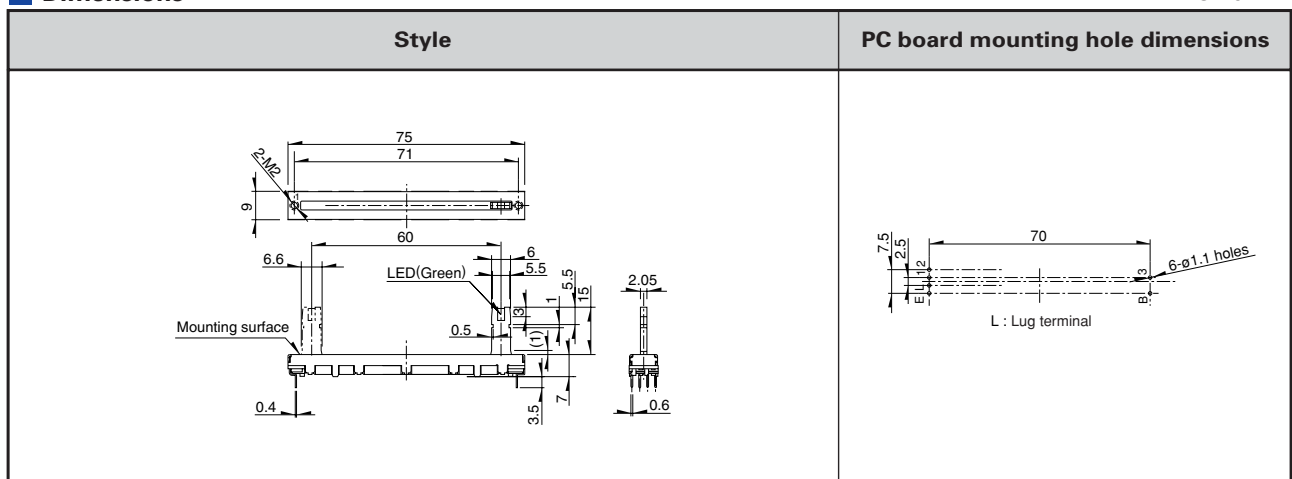
Products No.	Number of resistor elements	Travel (mm)	Length of lever (mm)	LED color	Total resistance (k Ω)	Resistance taper	Center detent	Mounting plate	Minimum packing unit (pcs.)
RS602111LA02	Single-unit	60	15	Green	10	1B	Without	Without	100
RS602113LA05							With		

Note

We can provide a dust cover for you. Please contact our sales person.

Dimensions

Unit:mm



For product varieties, see P.114
The length of the operating part (L₁) can be customized. See P.114
For products specifications, see P.116, 117

Product Varieties

In addition to the recommended products, the following specifications can also be accommodated.

Specifications

Travel (mm)	Model	Center detent	For DC use	Mounting board	LED color
60	RS60211	Available	10V DC Not available with tap	Available	Red/Orange/Green

Electrical Characteristics

Total resistance (kΩ)	10	20	50	100	200
Total resistance tolerance	±20%				
Resistance taper	1B			4B	

Lever Types

Unit:mm

Dimensions		
Length L ₁	10	15

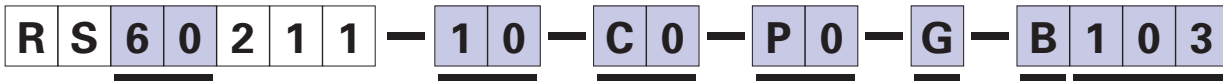
Notes

1. Shows the specification recommended by us.
2. Additional product specifications not included in the above list are also available. Contact us for details.

Orders Other Than Recommended Products

Specify orders for varieties that are not listed in the Recommended Product List, referring to the following example.

Sample Part Number



Travel (mm)

60

Length of operation unit

Code	Length (mm)
10	10
15	15

Detent

Code	Detent
C0	Without
C1	Center

See page P.119

Mounting plate

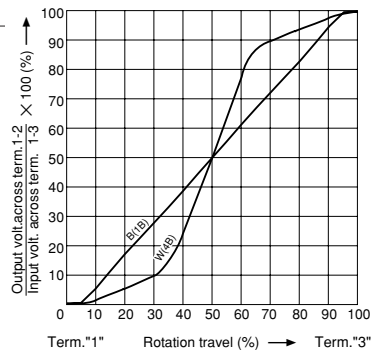
Code	Mounting plate
P0	Without
P1	With

LED color

Code	Color
R	Red
O	Orange
G	Green

Resistance taper

Code	Resistance taper
B	1B
W	4B



Total resistance

Code	Total resistance (kΩ)	Code	Total resistance (kΩ)
103	10	104	100
203	20	204	200
503	50		

Rotary Potentiometers
 Slide Potentiometers
 Multi Control Devices
 Rotary Sensors
 Linear Sensors

General-use
 Mixer

Products Specifications

Type	Compact reflow type	Long-life, Compact type	Illuminated type Single-unit type
Model	RS06U	RD7097	RS60211

Rotary
PotentiometersSlide
PotentiometersMulti Control
DevicesRotary Sensors
Linear Sensors

General-use

Mixer

Mechanical Performance

Operating temperature range	-10°C to +70°C		-25°C to +70°C
Operating force	0.34N±0.15N	0.5N max	0.3 to 2.5N
Stopper strength	15N	10N	50N
Lever push-pull strength	10N		
Lever wobble (mm)	—————	1.4 max. Both sides	$\frac{2(2 \times L)}{20}$ (Both sides)
Detent slip-out force	Without		0.2 to 2N
Lever deviation (mm)	—————	0.3 max. (One side)	0.5 max. (One side)
Solder heat resistance	Manual soldering	300°C max. 3s max.	350°C max. 3s max.
	Dip soldering	—————	260°C max. 5s max.
	Reflow soldering	235°C, 10 sec. or less; Peak: 250°C	—————

Electrical Performance

Total resistance (kΩ)	30	10, 20, 50, 100, 200
Total resistance tolerance	±30%	±20%
Resistance taper	Linear (B)	15A, 1B, 4B, 10A (3B, 15C)

Endurance

Sliding life	10,000 cycles	2,000,000 cycles	5,000 cycles
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Environmental Test

Cold	-30°C for 240h	-30°C for 96h	-25°C for 96h
Long-term heat resistance	70°C±2°C for 240h	80°C for 96h	70°C for 96h
Moisture resistance	40±2°C, 90 to 95 % RH for 96h	60±2°C, 90 to 95 % RH for 96h	40±2°C, 90 to 95 % RH for 96h

Notes

- "L" in the "Lever Wobble" column of the above table indicates the length of lever.
- Specifications other than those listed above can be customized.
- The resistance law specification in () varies individually.