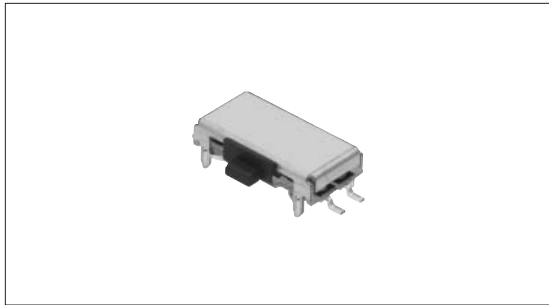


Slide Potentiometer Compact Reflow Type

RS06U Series



Compact and low-profile design applicable to reflow soldering.



Features

- Compact and low-profile with 3mm mounting height contributes to flexibility in set design

Applications

- For volume control in compact game consoles and brightness control in flat panel TVs

Rotary Potentiometers

Slide Potentiometers

Multi Control Devices

Sensors

General-use

Mixer

Typical Specifications

Items	Specifications
Travel	6mm
Total resistance	30kΩ only
Total resistance tolerance	±30%
Resistance taper	Linear (B)
Maximum operating voltage	5V DC
Operating force	0.34N±0.15N
Operating life	10,000cycles
Operating temperature range	-10°C to +70°C

Recommended Products List

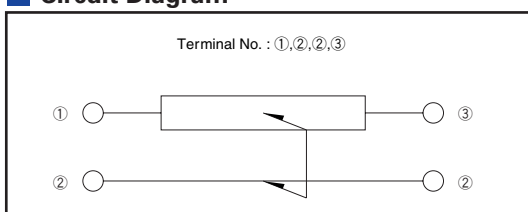
Number of resistor elements	Direction of lever	Travel (mm)	Length of lever (mm)	Minimum packing unit (pcs.)	Products No.
Single-unit	Horizontal	6	1.05	900	RS06U111Z001

Dimensions

Unit:mm

Style	PC board mounting hole and land dimensions (Viewed from mounting side)
	<p>Recommendation</p> <p>Solder lands are indicated by the shaded areas</p>

Circuit Diagram



Note

Only compatible with recommended products.

Refer to P.129 for product specifications.

Products Specifications

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

Rotary Potentiometers

Slide Potentiometers

Multi Control Devices

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) ※Both sides	————	1.4 max.	3 max.
Detent slip-out force	Without		Operating force+(0.2 to 2N)
Lever deviation (mm) ※One sides	————	0.3 max.	0.5 max.
Solder heat resistance	Manual soldering	350°C max. 3s max.	
	Dip soldering	————	260°C max. 5s max.
	Reflow soldering	250°C, 3s max.	————

Electrical Performance

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

Endurance

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

Cold	-30±2°C for 240h	-30±2°C for 96h	
Dry heat	70±2°C for 240h	80±2°C for 96h	70±2°C for 96h
Damp heat	40±2°C, 90 to 95 % RH for 240h	60±2°C, 90 to 95 % RH for 96h	40±2°C, 90 to 95 % RH for 96h

Notes

1. "L" in the "Lever Wobble" column of the above table indicates the length of lever.
2. Products other than those listed in the above list are also available. Please contact us for details.
3. The resistance taper specification in () are individually defined.