

# Low-profile Master Slide Potentiometer (Super Y Fader)

RS6011□Y Series

Compactness and good operational feel, suitable for mixer faders.

- Rotary Potentiometers
- Slide Potentiometers
- Trimmer Potentiometers
- Multi Control Devices
- Position Sensors



## Features

- Auto-dipping can be performed.
- Maximum attenuation can be 100 dB or more (Total resistance of 10 kΩ or more).

## Applications

- Low-end mixer faders

General-use

Mixer

## Typical Specifications

Items	Specifications
Total resistance tolerance	±20%
Maximum operating voltage	10V DC
Operating force	0.1 to 2.0 N
Operating life	30,000 cycles
Operating temperature range	−10°C to +60°C

## Recommended Products List

Number of resistor elements	Travel (mm)	Products No.	Lever type	Length of lever (mm)	Total resistance (kΩ)	Resistance taper	Minimum packing unit (pcs.)
Single-unit	60	RS6011SY6002	6	15	10	10A	100
		RS6011SY6008			20	15A	
Dual-unit		RS6011DY6002			10	10A	
		RS6011DY6009			20	15A	

### Note

Additional product specifications in response to those not included in the above recommended products are also available.

For product specifications, see P.147  
 For details of lever types, see P.147  
 For other detailed specifications, see P.156

## Product Specifications

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

### Low-profile Master Slide Potentiometer (Super Y Fader) Specifications

Type	Travel (mm)	Model	Dust cover	Mounting plate
Single-unit	60	RS6011SY	Available	Available
Dual-unit		RS6011DY		

Rotary Potentiometers  
**Slide Potentiometers**  
 Trimmer Potentiometers  
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### Lever types Unit : mm

Configuration code	6 (Metal lever)
Dimensions	
L <sub>1</sub> Length	15

### Electrical Characteristics

Total resistance (kΩ)	10	20	50
Total resistance tolerance	±20%		
Resistance taper	15A	1B	10A

### Note

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

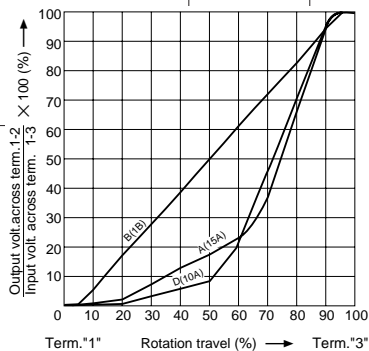


#### Number of resistor elements

Single	S
Dual	D

#### Resistance taper

Code	Resistance taper
A	15A
B	1B
C	10A



#### Total resistance

Code	Total resistance (kΩ)
103	10
203	20
503	50

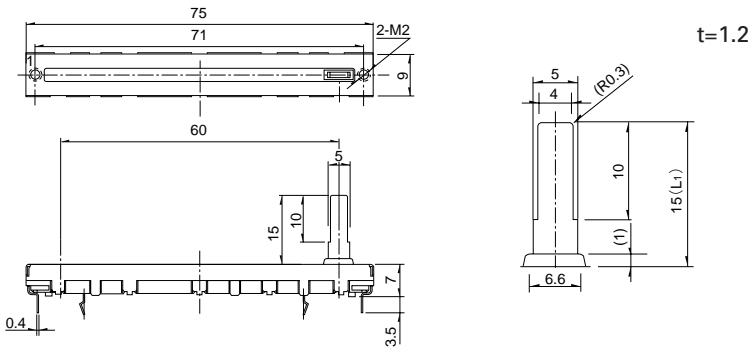
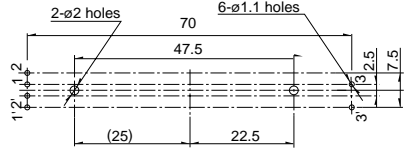
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**Dimensions**

Unit : mm

Style	PC board mounting hole dimensions
 <p>Technical drawings of the potentiometer showing top, side, and end views with dimensions: 75, 71, 2-M2, 9, 60, 5, 15, 10, 0.4, 3.5, 5, 4, (R0.3), t=1.2, 10, 15(Lt), 6.6.</p>	 <p>PC board mounting hole dimensions diagram showing 2-ø2 holes, 6-ø1.1 holes, 70, 47.5, 1' 2', 1' 2', 1' 2', 3', 2.5, 7.5, (25), 22.5.</p> <p>The RS6011SY uses lug terminals for terminals 1' 2' 3'.</p>

Rotary Potentiometers

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## Products Specifications

Item	Master type	Low-profile master type	Motor-driven master type
Model	RS□□K□□	RS□□N1 RS□□N11S RS6011□Y	RS□□N1□M RSA0K1□V RSA0K1□W

### Mechanical Characteristics

<b>Operating temperature range</b>	-10 °C to +60°C		
Solder heat resistance	<b>Manual soldering</b>	350°C or less and within 3 seconds	
	<b>Dip soldering</b>	260°C or less and within 5 seconds RSA0K1□W, RSA0K1□V : not available	
<b>Operating force</b>	Standard : 0.1 to 0.6N	RS□□N1□ Single-unit : 0.05 to 0.8N Dual-unit : 0.05 to 0.9N RS6011□Y 0.1 to 0.2N RS□□N11S 0.05 to 0.8N	RS□□N1□M 0.3 to 1.3N RSA0K1□V, RSA0K1□W Single-unit : 0.15 to 0.65N Dual-unit : 0.25 to 0.9N
<b>Stopper strength</b>	100N		
<b>Lever push-pull strength</b>	100N	50N	
<b>Lever wobble (mm) ※Both side</b>	$2\left(\frac{2 \times L}{25}\right)$		
<b>Lever deviation</b>	0.5mm max. (One side)		
<b>Solderability</b>	230±5°C、3±0.5s		

### Electrical Characteristics

<b>Total resistance (kΩ)</b>	10, 50, 100, 250	RS□□N1 : 10, 50, 100, 250 RS□□N11S : 10, 50, 100, 250 RS6011□Y : 10, 20, 50	RS□□N1□M : 10, 50, 100, 250 RSA0K1□V : 10 RSA0K1□W : 10
<b>Total resistance tolerance</b>	±20%		
<b>Resistance taper</b>	15A, 1B, 15C	RS□□N1 : 15A, 1B, 15C, 10A RS□□N1□S : 15A, 1B, 15C, 10A RS6011□Y : 15A, 1B, 10A	Single-unit : 1B Dual-unit : Servo 1B Audio 15A, 1B, 10A

### Durability

<b>Sliding life</b>	Standard : 100,000 cycles C P : 300,000 cycles	30,000 cycles RSA0K1□V : 300,000 cycles RSA0K1□W : 100,000 cycles
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### Environmental test

<b>Cold</b>	-25°C for 16h
<b>Long-term heat resistance</b>	+70°C for 240h
<b>Moisture resistance</b>	+40°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. Specifications other than those listed above can be customized.