

Slide Potentiometers for Fader Control of Mixers Low-profile Master Type (Super Y Fader)

RS6011□Y Series



Compact and good operational feel, suitable for mixer faders.



Features

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

Applications

- Low-end mixer faders

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	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.

Dimensions

Unit:mm

Style	PC board mounting hole dimensions
	<p>The RS6011SY uses lug terminals for terminals 1' 2' 3'.</p>

For product varieties, see P.134
For details of lever types, see P.134
For products specifications, see P.142

Product Varieties

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

Specifications

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

Lever Types

Unit:mm

Configuration code	6 (Metal lever)
Dimensions	<p>t=1.2</p>
Length L ₁	15

Electrical Characteristics

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

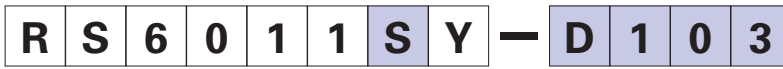
Notes

- Shows the specification recommended by us.
- 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

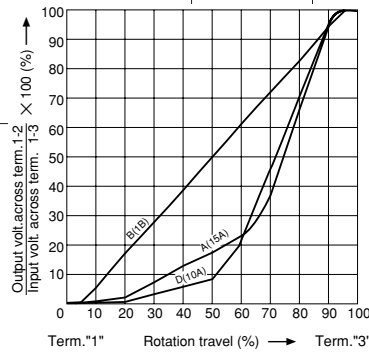


Number of resistor elements

Single-unit	S
Dual-unit	D

Resistance taper

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



Total resistance

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

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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

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Mechanical Performance

Operating temperature range	-10 °C to +60°C		
Operating force	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 2.0N 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
Stopper strength	100N		
Lever push-pull strength	100N	50N	
Lever wobble (mm) ※Both side	$\frac{2(2 \times L)}{25}$		
Lever deviation	0.5mm max. (One side)		
Solder heat resistance	Manual soldering	350°C max. 3s max.	
	Dip soldering	260°C max. 5s max. RSA0K1□W, RSA0K1□V : not available	

Electrical Performance

Total resistance (kΩ)	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
Total resistance tolerance	±20%		
Resistance taper	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

Endurance

Sliding life	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

Cold	-25°C for 96h
Long-term heat resistance	70°C for 240h
Moisture resistance	40°C ±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.