

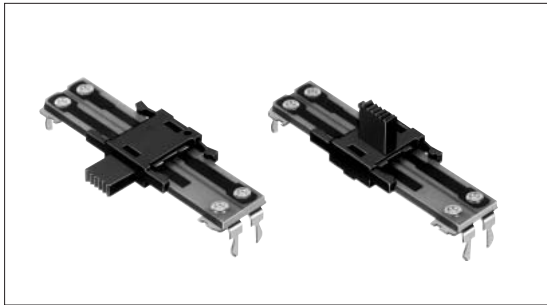
# Slide Potentiometer Slim Slide™ (Low-profile)

RS□□M Series



Thin models available in 4.5mm-high board-in type and 5.15mm high surface-mounting type.

Rotary Potentiometers  
Slide Potentiometers  
Multi Control Devices  
Rotary Sensors  
Linear Sensors



## Features

- Available with a max of 50V DC.

## Applications

- Sound volume, brilliance and image quality adjustment for telephones and interphones
- Image quality controls for LCD TVs, Personal digital Assistants, digital cameras and printers

## Typical Specifications

Items	Specifications
Total resistance tolerance	±20%
Maximum operating voltage	50V AC/50V DC
Operating force	0.15 to 0.8 N
Operating life	10,000 cycles
Operating temperature range	-25°C to +70°C

General-use

Mixer

## Recommended Products List

Number of resistor elements	Direction of lever	Travel (mm)	Products No.	Lever types	Length of lever (mm)	Total resistance (kΩ)	Resistance taper	Center detent	Terminal	Minimum packing unit (pcs.)	Drawing No.
Single-unit	Vartical	15	RS15M115J000	J	5	10	1B	Without	Surface mount	100	1
			RS15M111J002								2
		RS20M111J000	C	100		Board in			3		
		RS20M111C000							4		
		RS20M113JA03	J	10		With			3		
		RS15M11EJ000	J	5		10			Surface mount		5
	RS15M11AJ004	C	10		Board in			6			
	RS15M11AC006	J	5	50		Surface mount		7			
	RS15M11AJ00L	C			10			Board in	6		
	RS15M11EJA02	J	10	10	Surface mount	5					
	RS15M11AC003	C				5		Without	7		
	RS15M11AJ023	J	10	50	Board in	6					
	RS15M11AJ00R	J				5	5	Board in	6		
	RS20M11AJ00C	J	20	5	50				Board in	8	
	RS20M11AJ00G					50					
	RS20M11AJ00T					100					

## Note

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

For product varieties, see P.109  
For details of lever types, see P.109  
For products specifications, see P.116, 117

### Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions			
1					
2					
3	<table border="1" style="margin-bottom: 10px;"> <tr> <td>L<sub>1</sub></td> <td>5</td> <td>10</td> </tr> </table>	L <sub>1</sub>	5	10	
L <sub>1</sub>	5	10			
4					

Rotary Potentiometers  
**Slide Potentiometers**  
 Multi Control Devices  
 Rotary Sensors  
 Linear Sensors

General-use  
**Mixer**

The length of the operating part (L<sub>1</sub>) can be customized. See P.109

# Slide Potentiometer

## Slim Slide™ (Low-profile) | RS□□M Series

### Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions
5		<p>L : Lug terminal</p>
6		<p>L : Lug terminal</p>
7		<p>L : Lug terminal</p>
8		<p>L : Lug terminal</p>

The length of the operating part (L<sub>1</sub>) can be customized. See P.109

Rotary Potentiometers  
**Slide Potentiometers**  
 Multi Control Devices  
 Rotary Sensors  
 Linear Sensors

General-use  
**Mixer**

## Product Varieties

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

### Specifications

Type	Travel (mm)	Model	Center detent	Tap	For DC use
Single-unit Board in type	15	RS15M111	RS15M113	Not available	50V DC
		RS15M11A	RS15M11C		
	20	RS20M111	RS20M113		
		RS20M11A	RS20M11C		
Single-unit Surface mount device	15	RS15M115	RS15M116		
		RS15M11E	RS15M11F		

### Electrical Characteristics

Total resistance (kΩ)	5	10	20	50	100	200	250
Total resistance tolerance	±20%						
Resistance taper	15A		1B		3B		

### Lever Types

Unit:mm

Configuration code	C		J	
Dimensions				
Length L <sub>1</sub>	5		10 (Only horizontal type)	
			5	10

### Notes

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

Rotary Potentiometers  
Slide Potentiometers  
Multi Control Devices  
Rotary Sensors  
Linear Sensors

General-use  
Mixer

## 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) 15, 20

#### Operating direction, Center detent

Code	Operating direction	Center detent
1	Vertical	Board in
5		Surface mount
3		Board in
6		Surface mount
A	Horizontal	Board in
E		Surface mount
C		Board in
F		Surface mount

#### Shaft types

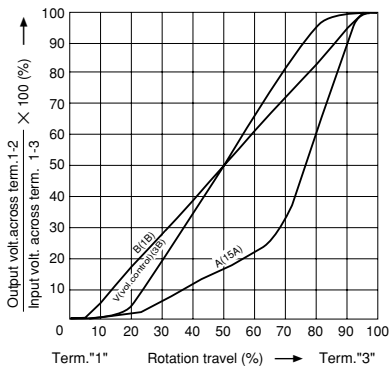
Code
C
J

#### Operating length

Code	length (mm)
05	5
10	10

#### Resistance taper

Code	Resistance taper
A	15A
B	1B
V	3B



B: For tone & general  
V: For vol.

#### Total resistance

Code	Total resistance (kΩ)	Code	Total resistance (kΩ)
502	5	104	100
103	10	204	200
203	20	254	250
503	50		

Rotary Potentiometers  
Slide Potentiometers  
Multi Control Devices  
Rotary Sensors  
Linear Sensors

General-use  
Mixer

## Products Specifications

Type	Super Slide™	Slim Slide™
Model	RS□□11□	RS□□H1□ RS□□M11

### Mechanical Performance

Operating temperature range	-25°C to +70°C	
Operating force	0.3 to 2.5N	0.2 to 1.1N RS□□M:0.15 to 0.8N
Stopper strength	50N	30N
Lever push-pull strength		30N RS□□M11:20N
Lever wobble (mm)	$\frac{2(2 \times L)}{20}$ (Both sides)	1.6 max. Both sides
Detent slip-out force	0.2 to 2N	0.05 to 0.8N RS□□M11:with click feeling
Lever deviation (mm)	0.5 max. (One side)	
Solder heat resistance	Manual soldering	350°C max. 3s max.
	Dip soldering	260°C max. 5s max.

### Electrical Performance

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

### Endurance

Sliding life	15,000 cycles	10,000 cycles
--------------	---------------	---------------

### Environmental Test

Cold	-25°C for 96h
Long-term heat resistance	70°C for 96h
Moisture resistance	40, 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.
3. The resistance law specification in ( ) varies individually.

Rotary Potentiometers

Slide Potentiometers

Multi Control Devices

Rotary Sensors  
Linear Sensors

General-use

Mixer