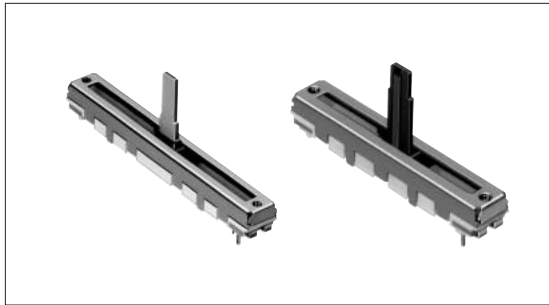


# Slide Potentiometer Standard Type (Super Slide™)

RS□□1 Series



Available in a wide variety; solderable with auto dipping.



## Features

- A wide range of products. (stroke length : 15,30, 45, 60mm)

## Applications

- Contrast control for LCD monitors
- Controls for mixers, mini component stereos and electronic instruments
- Controls for accessories, including heaters, dimmers and wipers in vehicle cabins
- Controls for interphones, fan-heaters and electric carpets

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	15,000 cycles
Operating temperature range	-25°C to +70°C

## Recommended Products List

### Insulated lever

Number of resistor elements	Travel (mm)	Products No.	Lever types	Length of lever (mm)	Total resistance (kΩ)	Resistance taper	Detent	Mounting plate	Minimum packing unit (pcs.)	Drawing No.
Single-unit	30	RS301111J00P	J-1	5	10	15A	Without	Without	100	1
		RS301111AJ01R				1B		With		2
		RS301111J00R			50	Without		1		
		RS301111J00W				15A		With		2
	RS301111AJ01K	10	A	10	1B	Without		3		
	RS301111A01G		C			Without		4		
	RS301111C01L		B			5				
	RS301111AC00V					6				
Dual-unit	30	RS30112AC00J	C	5	3B	Without	With	100	7	
		RS30112AJA02	J-1				8			

# Slide Potentiometer

## Standard Type (Super Slide™) | RS□□1 Series

### Recommended Products List

#### Metal lever

Number of resistor elements	Travel (mm)	Products No.	Lever types	Length of lever (mm)	Total resistance (kΩ)	Resistance taper	Detent	Mounting plate	Minimum packing unit (pcs.)	Drawing No.	
Single-unit	15	RS15111A900B	9-1	10	10	15A		With	100	9	
		RS30111A9012				Without		10			
	30	RS3011114A02	4	15	20	1B		Without		11	
		RS30111A602N	6					With		12	
		RS45111A900F	9-1					10		10	15A
	RS4511119A04	Without		14							
	60	RS6011YA600M	6	15	10	1B		With		15	
		RS6011Y19004	9-1	10				Without		16	
		RS6011Y1600Q	6	15				Without		17	
	Dual-unit	45	RS451121400A	4	20	20	15A			With	18
			RS45112A400G								19
		60	RS60112A600N	6	15	20	15A			With	20
RS60112A600U											

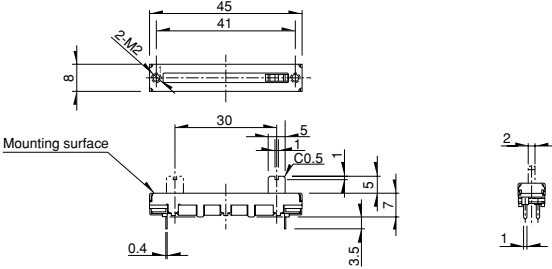
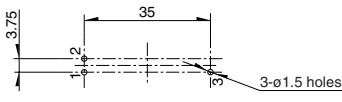
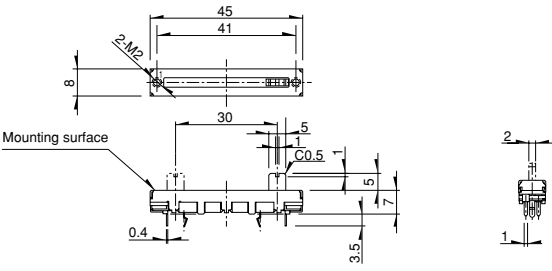
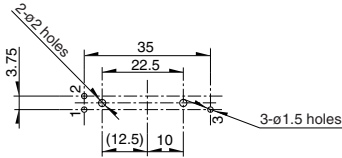
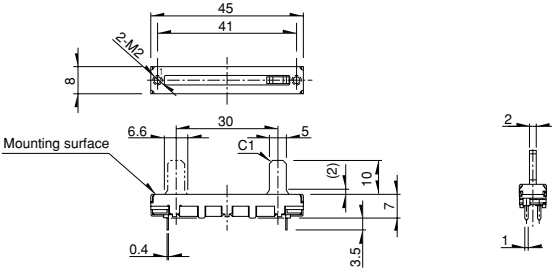
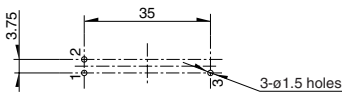
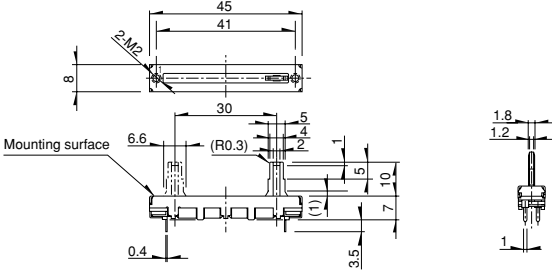
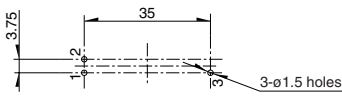
#### Note

Additional product specifications not included in the above list are also available.

For product varieties, see **P.98**  
 For details of lever types, see **P.98**  
 For products specifications, see **P.116, 117**

### Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions
1		
2		
3		
4		

The length of the operating part (L<sub>1</sub>) can be customized. See P.98

### Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions
5		
6		
7		
8		

The length of the operating part (L) can be customized. See P.98

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

General-use  
**Mixer**

No.	Style	PC board mounting hole dimensions
9		
10		
11		
12		

The length of the operating part (L<sub>1</sub>) can be customized. See P.98

### Dimensions

Unit:mm

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

General-use  
**Mixer**

No.	Style	PC board mounting hole dimensions
13		
14		
15		
16		

The length of the operating part (L) can be customized. See P.98

### Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions
17		<p style="text-align: center;">L : Lug terminal</p>
18		
19		
20		

Rotary Potentiometers

Slide Potentiometers

Multi Control Devices

Rotary Sensors  
Linear Sensors

General-use

Mixer

The length of the operating part (L.) can be customized. See **P.98**

## Product Varieties

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

### Specifications

Type	Travel (mm)	Model	Center detent	For DC use	Mounting plate
Single-unit	15	RS15111	Available	10V DC	Available
	30	RS30111			
	45	RS45111			
	60	RS6011Y			
Dual-unit	15	RS15112		10V DC Not available with tap	
	30	RS30112			
	45	RS45112			
	60	RS60112			

### Electrical Characteristics

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

### Lever Shape and Dimensions Types

Unit:mm

Metal lever		Insulated lever				
Code	Dimensions	Code	Dimensions			
9-2			<table border="1"> <tr><td>L<sub>1</sub></td></tr> <tr><td>5</td></tr> </table>	L <sub>1</sub>	5	
				L <sub>1</sub>		
				5		
				9-1		
L <sub>1</sub>						
10						
15						
6			<table border="1"> <tr><td>L<sub>1</sub></td></tr> <tr><td>10</td></tr> <tr><td>15</td></tr> </table>	L <sub>1</sub>	10	15
				L <sub>1</sub>		
				10		
15						
4			<table border="1"> <tr><td>L<sub>1</sub></td></tr> <tr><td>15</td></tr> <tr><td>20</td></tr> </table>	L <sub>1</sub>	15	20
L <sub>1</sub>						
15						
20						

### Corresponding Specifications

Unit:mm

Resistance taper	3B, 15C	Lever type	
		B	D (Marker colour tone: white, red)
Dust cover	Available		
Tap	Available (Only the center-positioned)		

### Note

Shows the specification recommended by us.

For resistance taper, see P.99



# 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



Specify the travel distance by symbol.

Travel (mm)	Code	Travel (mm)	Code
15	15	45	45
30	30	60	60

Number of resistor elements

<b>Single</b>	1 (Enter "Y" for 60 mm travel)
<b>Dual</b>	2

Lever type/Length of operation unit (mm)

Insulated lever

Code	Configuration	Length
J1	J-1	5
0A	A	10
		15
0C	C	10
		15
		10
0B	B	10
		15

Metal lever

Code	Configuration	Length
91	9-1	10
92	9-2	5
04	4	15
		20
06	6	15
		20

Marker type

Code	Style	Color	Length
DR	D	Red	10
DW		White	15

Length of operation unit

If the length is less than 10 mm, add a "0" before the number. (e.x., 5 mm length="05")

Detent

Code	Detent
C0	Without
C1	Center

Mounting plate

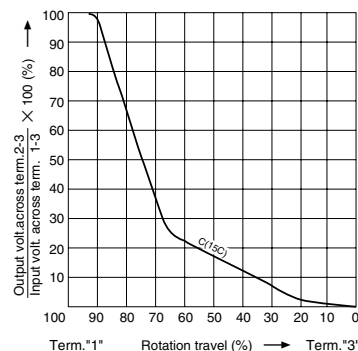
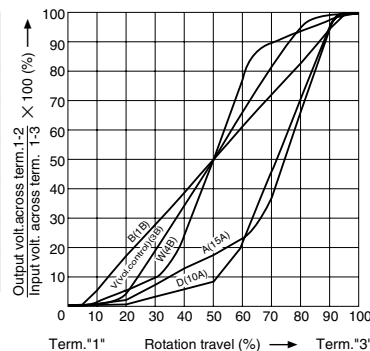
Code	Mounting plate
P0	Without
P1	With

Total resistance

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

Resistance taper

Code	Resistance taper
A	15A
B	1B
D	10A
W	4B
V	3B
C	15C



B:For tone & general  
V:For vol.

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