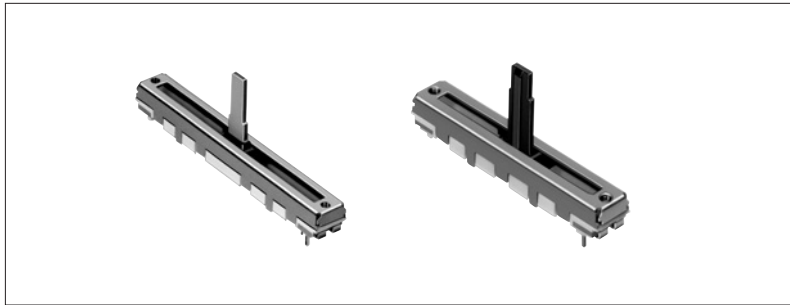


Standard Type Slide Potentiometer (Super Slide™)

RS□□1 Series

Available in a wide variety; solderable with auto dipping.



Car Use

Features

- A wide range of products. (stroke length : 15, 20, 25, 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

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

Rotary Potentiometers

Slide Potentiometers

Trimmer Potentiometers

Multi Control Devices

Position Sensors

General-use

Mixer

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
		RS30111AJ01R				1B		With		2
		RS301111J00R			50	Without		1		
		RS301111J00W				15A		With		2
	RS30111AJ01K	A	10	1B	Without	Without		3		
	RS301111A01G	C				Without		4		
	RS301111C01L					5				
	RS30111AC00V	6								
45	RS45111ABA02	B	10	1B	Without	With	7			
30	RS30112AC00J	C					8			
Dual-unit	30	RS30112AJA02	J-1	5	3B					

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	Without	With	100	9	
	30	RS30111A9012				1B		Without		10	
		RS3011114A02	4	15	20	With		11			
		RS30111A602N	6			Without		12			
	45	RS45111A900F	9-1	10	10	15A		With		13	
		RS4511119A04						Without		14	
	60	RS6011YA600M	6	15	10	1B		With		15	
		RS6011Y19004	9-1					10		Without	16
		RS6011Y1600Q	6					15			Without
	Dual-unit	45	RS451121400A	4	20	10		1B		Without	Without
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 specifications, see **P.99**
 For other detailed specifications, see **P.99**
 For details of lever types, see **P.128, 129**

Product Specifications

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

Standard Type Slide Potentiometers (Super Slide™) Specifications

Type	Travel (mm)	Model	Center detent	For DC use	Mounting plate
Single-unit	15	RS15111	Available	10V DC	Available
	20	RS20111			
	25	RS25111			
	30	RS30111			
	45	RS45111			
Dual-unit	60	RS6011Y		10V DC Not available with tap	
	15	RS15112			
	20	RS20112			
	25	RS25112			
	30	RS30112			
	45	RS45112			
	60	RS60112			

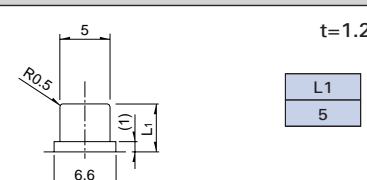
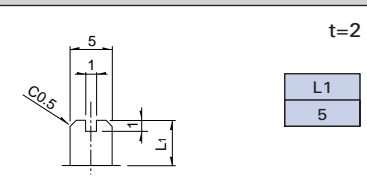
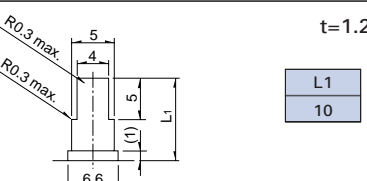
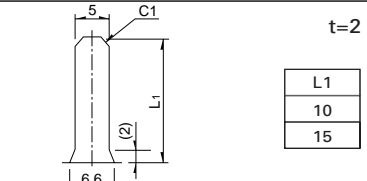
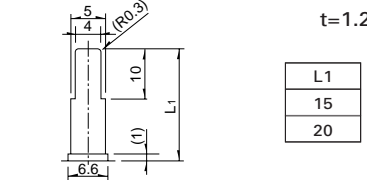
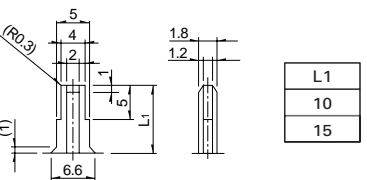
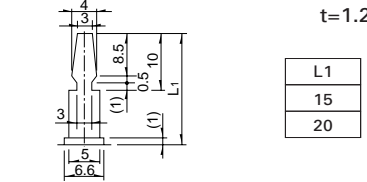
Rotary Potentiometers
Slide Potentiometers
Trimmer Potentiometers
Multi Control Devices
Position Sensors

Electrical Characteristics

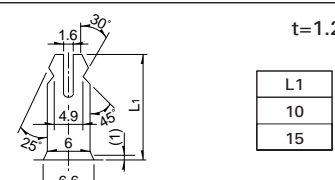
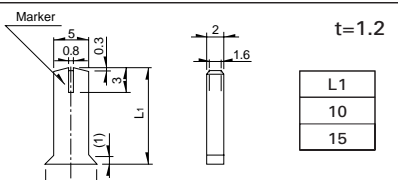
Total resistance (kΩ)	10	20	50	100	200
Total resistance tolerance	±20%				
Resistance taper	1B	4B	10A	15A	

General-use
Mixer

Lever shape and dimensions

Metal lever		Insulated lever					
Code	Dimensions	Code	Dimensions				
9-2		J-1					
	9-1			A			
			6			C	
					4		

Corresponding specifications

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

For resistance taper, see P.100

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	30	30
20	20	45	45
25	25	60	60

Number of resistor elements

Single	1 (Enter "Y" for 60 mm travel)
Dual	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
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

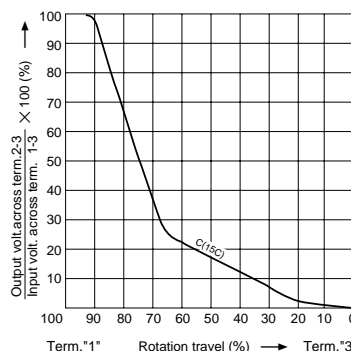
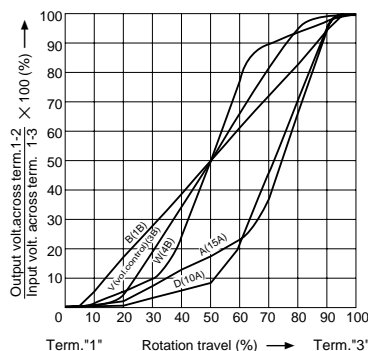
Code	Mounting plate
P0	Without
P1	With

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



Note

Shows the specification recommended by us.

Dimensions

Unit : mm

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

The length of the operating part (L1) can be customized. See P.100

Dimensions

Unit : mm

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

The length of the operating part (L1) can be customized. See P.100

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

The length of the operating part (L1) can be customized. See P.100

Dimensions

Unit : mm

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

The length of the operating part (L1) can be customized. See P.100

Rotary Potentiometers
Slide Potentiometers
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 Multi Control Devices
 Position Sensors

General-use
Mixer

Dimensions

Unit : mm

No.	Style	PC board mounting hole dimensions
17		
18		
19		
20		

The length of the operating part (L1) can be customized. See P.100

Products Specifications

Type	Standard type	Miniature type	Slim type
Model	RS□□11□	RS10F1□	RS□□H1□ RS□□M11

Mechanical Characteristics

Operating temperature range		-25 °C to +70 °C		
Solder heat resistance	Manual soldering	Lower than 350°C for less than 3 seconds		
	Dip soldering	Lower than 260°C for less than 5 seconds		
Operating force		0.3 to 2.5N	0.5 to 3.5N	0.2 to 1.1N RS□□M : 0.15 to 0.8N
Stopper strength		50N	Lever style A : 25N J : 40N	30N
Lever push-pull strength			25N	30N RS□□M11 : 20N
Lever wobble (mm)		$\frac{2(2 \times L)}{20}$ (Both sides)	$\frac{2(2 \times L)}{25}$ (Both sides)	1.6 max. Both sides
Detent slip-out force		0.2 to 2N	0.15 to 2N	0.05 to 0.8N RS□□M11 : with click feeling
Lever deviation (mm)		0.5 max. (One side)		
Solderability		230±5°C、3±0.5s		

Electrical Characteristics

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

Endurance

Sliding life	15,000 cycles	5,000 cycles	10,000 cycles
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Environmental test

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