

# Slide Potentiometers for Mixer Fader Controls Low-profile Master Type (Slim Type)

RS  N  S Series



The thinnest possible body contributes to reduced size, height and weight of the set product.

Rotary Potentiometers

Slide Potentiometers



## Typical Specifications

Items	Specifications
Total resistance tolerance	±20%
Maximum operating voltage	200V AC, 10V DC(RS60N Series) 500V AC, 10V DC(RSA0N Series)
Operating force	0.05 to 0.8N
Operating life	30,000cycles
Operating temperature range	-10°C to +60°C

General-use

Mixer

## Product Line

Number of resistor elements	Travel (mm)	Lever type	Length of lever (mm)	Total resistance (kΩ)	Resistance taper	Terminal style	Minimum packing unit (pcs.)	Products No.	Drawing No.
Single-unit	60	4	20	10	1B	For PC board	1,200	RS60N11S4006	1
	100	9-T (T-Bar)	8.2				800	RSA0N11S9A0K	2

## Packing Specifications

Tray

Travel (mm)	Number of packages (pcs.)		Export package measurements (mm)
	1 case /Japan	1 case /export packing	
60	600	1,200	377 × 517 × 371
100	400	800	

## Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions
1	<p>t=1.2</p>	

## Notes

1. Products other than those listed in above products are also available. Please contact us for details.
2. Please place purchase orders per minimum order unit N (integer).

Refer to P.454 for product varieties.  
Refer to P.454 for details of lever types.  
Refer to P.454, 455, 470 for resistance taper.

**Dimensions**

Unit:mm

No.	Style	PC board mounting hole dimensions
2		

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**Product Varieties**

General-use

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

Mixer

**Total Resistance Variety**

Total resistance (kΩ)	10	50	100	250
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**Resistance Taper**

Resistance taper	15A	1B	10A
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**Lever Types**

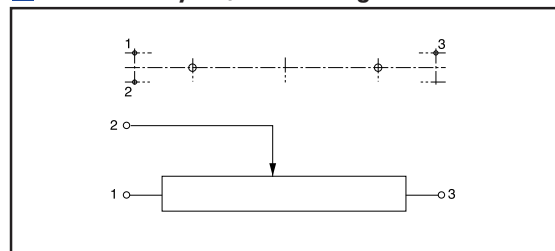
Unit:mm

Configuration code	1	4	9-T (T-Bar)
Dimensions			

**Corresponding Specification**

Dust cover	Available
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**Terminal Layout/Circuit Diagram**



**Notes**

1. [ ] marked are specifications recommended by ALPS.
2. Products other than those listed in the above list are also available. Please contact us for details.

Refer to P.455, 470 for resistance taper.

## Orders Other Than Recommended Products

When ordering product varieties that are not listed in the Product Line, please specify by referring to the below example.

### Sample Part Number

**R S 6 0 N 1 1 S** — **0 1** — **B 1 0 3**

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#### Travel

<b>60</b>	60mm
<b>A0</b>	100mm

#### Number of resistor elements

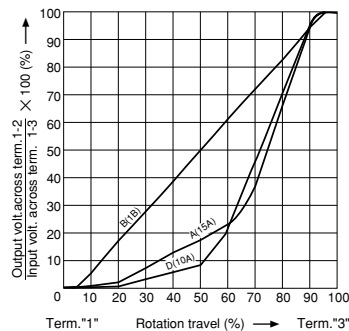
<b>Single-unit</b>	1
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#### Type of operation unit

Code	Configuration code
<b>01</b>	1
<b>04</b>	4
<b>9T</b>	9-T(T-Bar)

#### Resistance taper







Code	Resistance taper
<b>A</b>	15A
<b>B</b>	1B
<b>D</b>	10A



#### Total resistance

Code	Total resistance (kΩ)	Code	Total resistance (kΩ)
<b>103</b>	10	<b>104</b>	100
<b>503</b>	50	<b>254</b>	250

## List of Varieties

Item	Master type		Low-profile master type				Motor-driven master type					
	RS□□K□□		RS□□N1		RS□□N11S		RS6011□P		RSA0K1□V		RS□□N1□M	
Photo												
Outlined specifications	Travel (mm)		60 100				60		100		60 100	
	Number of resistor elements		Single-unit	Dual-unit	Single-unit	Dual-unit	Single-unit		Dual-unit	Single-unit		Dual-unit
Electrical Performance	Total resistance (kΩ)		10, 50, 100		RS□□N1 : 10, 50, 100, 250 RS□□N11S : 10, 50, 100, 250 RS6011□P : 10, 20, 50				RS□□N1□M : 10, 50, 100, 250 RSA0K1□V : 10			
	Resistance taper		15A, 1B		RS□□N1 : 15A, 1B, 10A RS□□N1□S : 15A, 1B, 10A RS6011□P : 15A, 1B, 10A				Single-unit : 1B Dual-unit : Servo 1B Audio 15A, 1B, 10A			
Mechanical Performance	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□P 0.1 to 2.0N RS□□N11S 0.05 to 0.8N				RS□□N1□M 0.3 to 1.3N RSA0K1□V, Single-unit : 0.15 to 0.65N Dual-unit : 0.25 to 0.9N			
	Stopper strength		100N									
	Lever push-pull strength		100N		50N							
	Lever deviation (mm) ※Both Side		$\frac{2(2 \times L)}{25}$									
	Lever deviation		0.5mm max. (One side)									
Soldering	Manual soldering		350°C max. 3s max.									
	Dip soldering		—		260°C max. 5s max. RS□□N1□M(Lead type), RSA0K1□V : not available							
Environmental Performance	Cold		-30±2°C for 96h									
	Dry heat		70±2°C for 240h									
	Damp heat		40±2°C, 90 to 95%RH for 96h									
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### Notes

1. Attenuation is specified for residual resistance.
2. "L" in the "Lever Wobble" column of the above table indicates the length of lever.
3. Products other than those listed in the above list are also available. Please contact us for details.