

Compact and good operational feel, suitable for mixing console faders



■ Typical Specifications



Items	Specifications
Total resistance tolerance	±20%
Maximum operating voltage	200V AC, 10V DC (Single-unit) 150V AC, 10V DC (Dual-unit)
Operating force	0.5 $\begin{smallmatrix} +1.0 \\ -0.4 \end{smallmatrix}$ N
Operating life	30,000 cycles
Operating temperature range	-10°C to +60°C

■ Product Line

Number of resistor elements	Travel (mm)	Lever type	Length of lever (mm)	Total resistance (k Ω)	Resistance taper	Minimum order unit (pcs.)		Products No.
						Japan	Export	
Single-unit	60	6	15	10	1B	900	900	RS6011SP6003
				20				RS6011SP6004
Dual-unit				10	15A			RS6011DP6002
				20				RS6011DP6003

Note

Other varieties are also available. Refer to "Other Specifications" (P.375).

■ Packing Specifications

Tray

Number of packages (pcs.)		Export package measurements (mm)
1 case /Japan	1 case /export packing	
900	900	529×373×273

■ Dimensions

Unit:mm

Style	PC board mounting hole dimensions (Viewed from mounting side)
	<p>The RS6011SP uses lug terminals for terminals 1' 2' 3'.</p>

Refer to P.375 for other specifications.
Refer to P.375 for details of lever types.
Refer to P.376 for ordering products not listed.
Refer to P.383 for soldering conditions.

Low-profile Master Type (P Fader) / Other Specifications

In addition to the Product Line, we accommodate the following specifications. Combinations not included in the Product Line are treated as semi-standard products.

Total Resistance Variety

Total resistance (k Ω)	10	20	50
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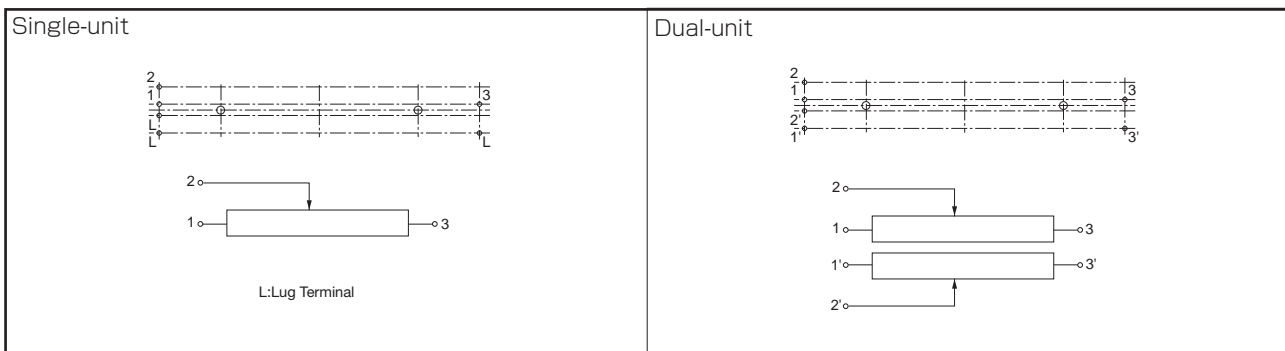
Resistance Taper

Resistance taper	15A	1B	10A
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Lever Types

Configuration code	9-1 (Metal lever)	6 (Metal lever)	4 (Metal lever)
Dimensions			
Length L ₁	10	15	15
			20

Terminal Layout / Circuit Diagram (Viewed from Mounting Side)



Corresponding Specifications

Dust cover	Available
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Notes

1. Marked are specifications recommended by Alps Alpine.
2. A variety of operational feels are available, so please inquire if you have a request.

Low-profile Master Type (P Fader) / Ordering Products Not Listed

In addition to the Product Line, we accommodate the following specifications. Combinations not included in the Product Line are treated as semi-standard products. Please refer to the notation example below.

Sample Part Number

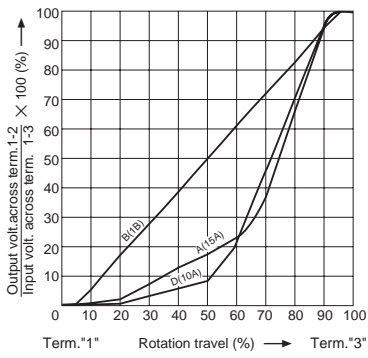
R S 6 0 1 1 S P — B 1 0 3

Number of resistor elements

Code	Number of resistor elements
S	Single-unit
D	Dual-unit

Resistance taper

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



Total resistance

Code	Total resistance (k Ω)
103	10
203	20
503	50

Rotary
Potentiometers











Slide
Potentiometers

General-Use

Mixer

Slide Potentiometers

List of Varieties

Type		Low-profile Master Type		Motor-driven Master Type		
Series		N Fader	P Fader	Motor N Fader	Motor K Fader	Motor V Fader
		RS □□ N	RS6011 □ P	RS □□ N1 □ M	RSA0K1 □ V	RSA0V11M
		Single-unit/Dual-unit	Single-unit/Dual-unit	Single-unit/Dual-unit	Single-unit/Dual-unit	Single-unit
Photo						
Travel (mm)		60, 100	60	60, 100	100	
Direction of lever		Vertical				
Lever material		Metal				Resin
Operating temperature range		-10°C to +60°C				
Operating life		30,000 cycles			300,000 cycles	100,000 cycles
Available for automotive use		—	—	—	—	—
Life cycle						
Electrical performance	Total resistance (k Ω)	10, 50, 100, 250	10, 20, 50	10, 50, 100, 250	10	
	Resistance taper	15A, 1B, 10A		Single-unit: 1B Dual-unit: Servo 1B Audio 15A, 1B, 10A		1B
	Rated Power	0.1W (RS60N) 0.25W (RSA0N)	0.2W (Single-unit) 0.1W (Dual-unit)	0.2W (RS60N1□M) 0.5W (RSA0N1□M)	0.5W	
	Insulation resistance	100MΩ min. 250V DC				
	Voltage proof	250V AC for 1 minute				
	Center-taps	Without				
Mechanical performance	Operating force	Single-unit: $0.3^{+0.5}_{-0.25}$ N Dual-unit: $0.4^{+0.5}_{-0.35}$ N	$0.5^{+1.0}_{-0.4}$ N	0.8±0.5N	Single-unit: 0.4±0.25N Dual-unit: 0.25 to 0.9N	—
	Center detent	Without				
	Stopper strength	100N				10N
	Lever push-pull strength	50N				20N
	Lever wobble (mm) ※ Both sides	$\frac{2(2 \times L)}{25}$				
	Lever deviation (mm)	0.5 max. (One side)				
Terminal style		Insertion		Lead, Insertion	Connector (Fader) Lead (Motor)	Connector
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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.