

Slide Potentiometer Slim Slide™ (Slim 4)

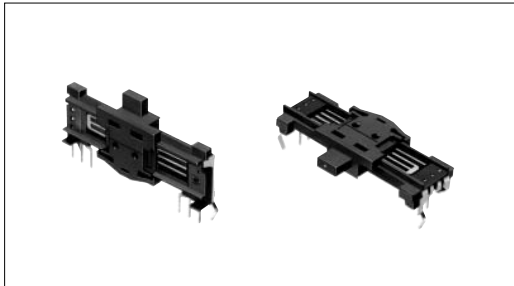
RS H Series



15mm-stroke compact potentiometer with improved operational feel.

Rotary Potentiometers

Slide Potentiometers



Typical Specifications

Items	Specifications
Total resistance tolerance	± 20%
Maximum operating voltage	50V AC, 10V DC
Operating force	0.2 to 1.1N
Operating life	10,000cycles
Operating temperature range	- 25 to + 70

Product Line

Number of resistor elements	Direction of lever	Travel (mm)	Lever types	Length of lever (mm)	Total resistance (k)	Resistance taper	Center detent	Tap	Minimum packing unit (pcs.)	Products No.	Drawing No.					
General-use Mixer	Vartical	15	C	9.5	100	1B	With	Not available	1,000	RS15H113CA05	1					
					50		Without			RS15H111CA04						
				100	With		RS15H113C001									
		20		14.5	100		15A			10	1B	Without	Without	RS20H113C008	2	
													50	Without		RS20H111C009
													10	Without		RS30H111A00D
	30	15	10	A	4.5	10	1B			Without	Without	RS15H11AA04M	7			
											250	Without		RS15H11AA008		
											10	Without		RS15H11AA00G		
	Single-unit	Horizontal	20	A	4.5	250	1B			With	With	RS20H11AA02T	8			
						10					Without	Without		RS20H11CA00B		
						5						Without		RS20H11AA01U		
			50		Without	Without				RS20H11AA019						
			10			Without				RS20H11AA015						
			10			Without				RS30H11AA009						
		30	9.5	10	A	4.5	10			1B	Without	Without	RS30H11AA00G	9		
												200	Without		RS30H11AAA0B	
												5	Without		RS30H11AA00P	
			9.5	100	9.5	A	4.5			10	15A	With	Without		RS30H11AAA02	
													10		Without	RS15H121A009
													10		Without	RS20H123A01C
	Dual-unit	Vartical	15	C	14.5	250	3B			Without	Without	RS30H121A00B	6			
			20								A	4.5		50	Without	RS15H12AA00F
			30												Without	RS15H12AA009
Horizontal		15	14.5	250	3B	Without	Without	RS20H12AC002	11							
		20					A	4.5		50	15A	Without	RS30H12AA003			
		30										Without	RS30H12AA003			

Note

Products other than those listed in above products are also available. Please contact us for details.

Refer to P.414 for product varieties.
Refer to P.414 for details of lever types.

Dimensions

Unit:mm

No.	Style	PC board mounting hole dimensions			
1	<div style="border: 1px solid black; padding: 2px; width: fit-content; margin-bottom: 10px;"> <table border="1"> <tr> <td>L1</td> <td>9.5</td> <td>14.5</td> </tr> </table> </div>	L1	9.5	14.5	
L1	9.5	14.5			
2					
3					
4					

Rotary Potentiometers

Slide Potentiometers

General-use

Mixer

The length of the operating part (L₁) can be customized. Refer to P.414 for details.

Dimensions

Unit:mm

Rotary
Potentiometers
**Slide
Potentiometers**

**General-use
Mixer**

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

The length of the operating part (L₁) can be customized. Refer to **P.414** for details.

Dimensions

Unit:mm

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

Rotary Potentiometers

Slide Potentiometers

General-use

Mixer

The length of the operating part (L₁) can be customized. Refer to P.414 for details.

Product Varieties

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

Travel Distance Variety

Travel(mm)	15	20	30
-------------	----	----	----

Total Resistance Variety

Total resistance(k)	5	10	20	50	100	200	250
----------------------	---	----	----	----	-----	-----	-----

Resistance Taper

Resistance taper	15A	1B	3B
------------------	-----	----	----

Note

Also compatible to DC (10VDC). (Excluding tapped types)

Lever Types

Unit:mm

Configuration code	A		C		D	
Dimensions						
Length L1	4.5	9.5	9.5	14.5	9.5	14.5

Corresponding Specification

Resistance taper	3B
Tap	Available, (Only the center-positioned)

Terminal Layout/Circuit Diagram(Viewed from the Mounting Side)

Single-unit(Vertical)	Dual-unit(Vertical)	Single-unit(Horizontal)	Dual-unit(Horizontal)
<p>L: Lug terminal</p>	<p>L: Lug terminal</p>	<p>L: Lug terminal</p>	<p>L: Lug terminal</p>

Notes

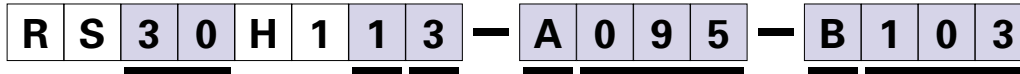
1. Products other than those listed in the above list are also available. Please contact us for details.
2. The color of the D-type lever is black. Please specify the required color for markers from red, green, orange and white.
3. marked are specifications recommended by ALPS.

Refer to P.415, 502 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



Travel (mm)

15, 20, 30

Number of resistor elements

Single-unit	1
Dual-unit	2

Operating direction and presence of center detent

Code	Operating direction	Center detent
1	Vertical	Without
3		With
A	Horizontal	Without
C		With

Style of operation unit

Code
A
C
D

Length of operation unit

Code	Length (mm)
045	4.5
095	9.5
145	14.5

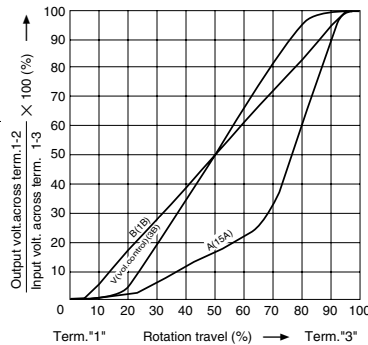
Resistance taper

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






General-use

Mixer

Note

marked are specifications recommended by ALPS.

List of Varieties

Type	Super Slide™		Slim Slide™ (Slim4)				Slim Slide™ (Low-Profile)		
	RS	11	RS	H1	RS	H1	RS	M11	
photo									
Travel (mm)	15(RS15111) 20(RS20111) 30(RS30111) 45(RS45111) 60(RS6011Y)	20(RS20112) 30(RS30112) 45(RS45112) 60(RS60112)	15(RS15H111) 15(RS15H113) 20(RS20H111) 20(RS20H113) 30(RS30H111)	15(RS15H121) 20(RS20H123) 30(RS30H121)	15(RS15H11A) 20(RS20H11A) 20(RS20H11C) 30(RS30H11A)	15(RS15H12A) 20(RS20H12A) 30(RS30H12A)	15(RS15M111) 20(RS20M111) 20(RS20M113)	15(RS15M11A) 20(RS20M11A)	
Number of resistor elements	Single-unit	Dual-unit	Single-unit	Dual-unit	Single-unit	Dual-unit	Single-unit		
Direction of lever	Vertical				Horizontal		Vertical	Horizontal	
Electrical Performance	Total resistance (k)	10, 20, 50, 100, 200		5, 10, 20, 50, 100 200, 250					
	Resistance taper	15A, 1B, 4B, 10A, 3B, 15C		15A, 1B, 3B					
Mechanical Performance	Operating force	0.3 to 2.5N		0.2 to 1.1N			0.15 to 0.8N		
	Stopper strength	50N		30N					
	Lever push-pull strength			30N			20N		
	Lever wobble (mm) Both sides	$\frac{2 \times L}{20}$		1.6 max.					
	Detent slip-out force	Operating force+(0.2 to 2N)		Operating force+(0.05 to 0.8N)			With detent feeling		
	Lever deviation (mm) One side			0.5 max.					
Solder heat resistance	Manual soldering			350 max. 3s max.					
	Dip soldering			260 max. 5s max.					
Environmental Performance	Cold			- 30 ± 2 for 96h					
	Dry heat			70 ± 2 for 96h			70 ± 2 for 240h		
	Damp heat			40 ± 2 , 90 to 95%RH for 96h					
Page	402		410				416		

Rotary Potentiometers

Slide Potentiometers

General-use

Mixer

Slide Potentiometers Cautions420, 421

Notes

1. "L" in the "Lever Wobble" column of the above table indicates the length of lever.
2. Products other than those listed in the above list are also available. Please contact us for details.
3. The resistance taper specification in () are individually defined.
4. 「RS」 indicates travel.