

3 mm Size Slide Switches

Japan

Type: **ESD11**

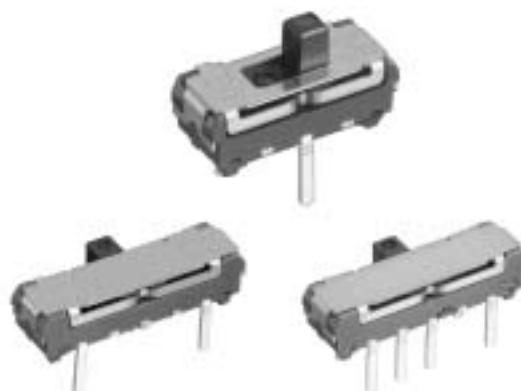
Small-sized, wave soldering type

■ Features

- A wide range of customizable features (lever direction and circuit diagram)
- Self-standing type on printed circuit board
- Available for automatic wave soldering

■ Recommended Applications

- Signal switches for Telephones, Audio Equipment and LCD TVs



■ Explanation of Part Numbers

1	2	3	4	5	6	7	8	9
E	S	E	1	1				
Product Code			Type		Lever Position	Poles and Throws		Design No.

■ Standard Products

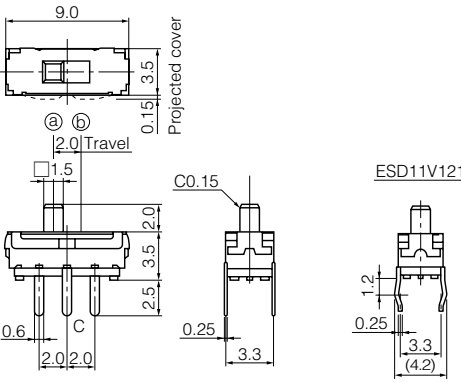
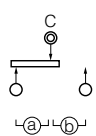
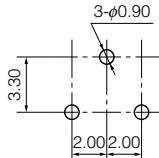
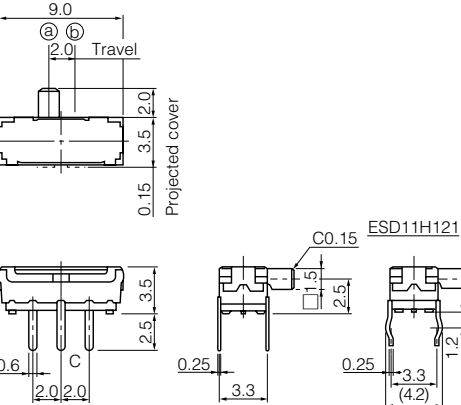
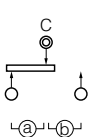
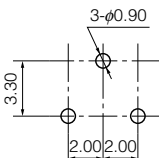
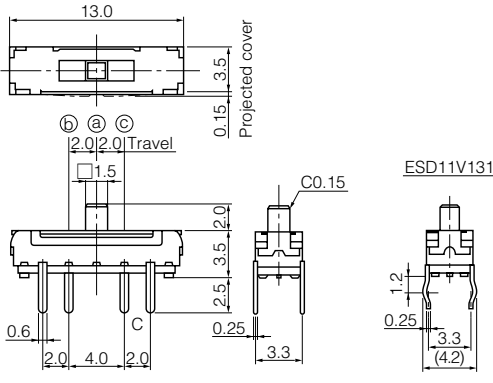
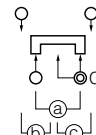
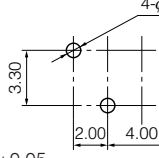
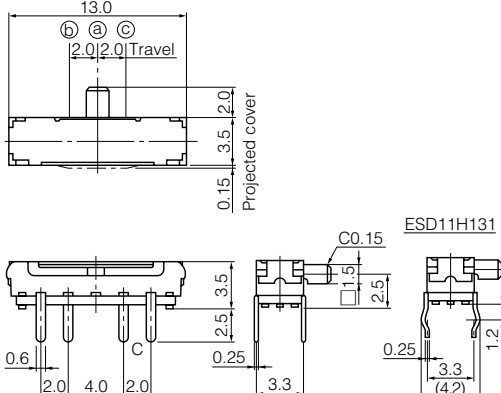
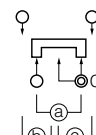
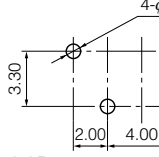
Poles	Throws	Straight Terminals		Formed Terminals	
		Vertical	Horizontal	Vertical	Horizontal
1	2	ESD11V120	ESD11H120	ESD11V121	ESD11H121
2		ESD11V220	ESD11H220	ESD11V221	ESD11H221
1	3	ESD11V130	ESD11H130	ESD11V131	ESD11H131
2		ESD11V230	ESD11H230	ESD11V231	ESD11H231

■ Major Specifications

Lever Position		Vertical	Horizontal
Rating		50 μ A 3 Vdc to 0.1 A 12 Vdc	
Travel		2.0 mm	
Mounting Height		3.5 mm	
Poles and Throws		1-pole 2-throws, 1-pole 3-throws 2-poles 2-throws, 2-poles 3-throws	
Terminal Pitch		2.0 mm	
Switching Mode		Non-shorting	
Lever	Size	□ 1.5 mm	
	Length	2.0 mm	
Minimum Quantity/Packing Unit		2-Throw	1000 pcs. (Vinyl Bag)
		3-Throw	500 pcs. (Vinyl Bag)
Quantity/Carton		2-Throw	8000 pcs.
		3-Throw	4000 pcs.

Design and specifications are each subject to change without notice. Ask factory for the current technical specifications before purchase and/or use.
Should a safety concern arise regarding this product, please be sure to contact us immediately.

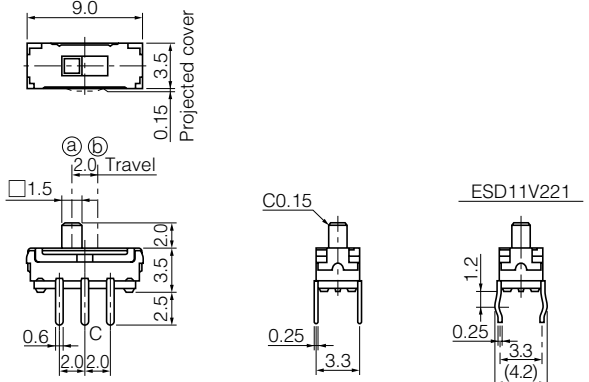
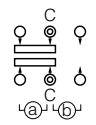
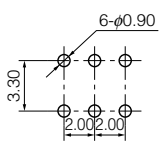
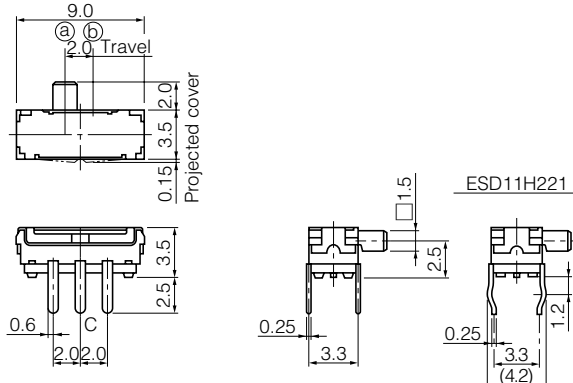
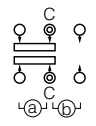
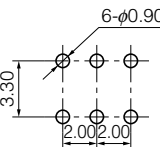
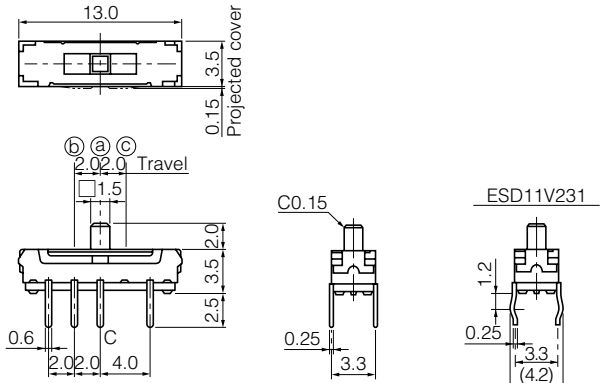
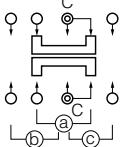
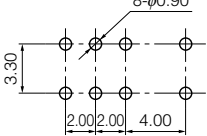
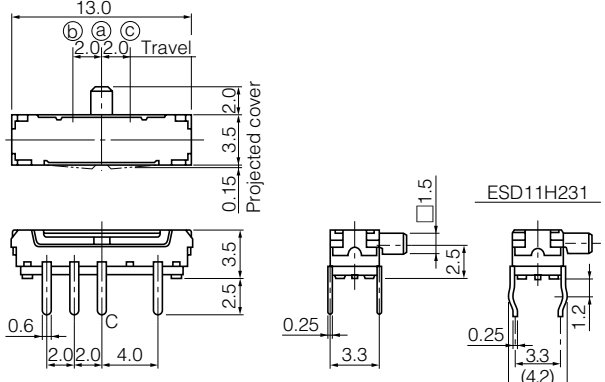
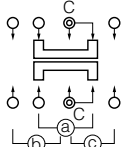
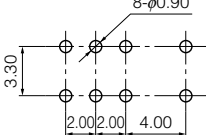
■ Dimensions in mm (not to scale)

No. 1 ESD11V120 1-pole 2-throws Operating Force a↔b 1.96 N±1.47 N 	Circuit diagram  View from terminal side Recommended PWB piercing plan  Tolerance: ±0.05
No. 2 ESD11H120 1-pole 2-throws Operating Force a↔b 1.96 N±1.47 N 	Circuit diagram  View from terminal side Recommended PWB piercing plan  Tolerance: ±0.05
No. 3 ESD11V130 1-pole 3-throws Operating Force b→a←c 1.96 N±1.47 N b←a→c 2.45 N±1.47 N 	Circuit diagram  View from terminal side Recommended PWB piercing plan  Tolerance: ±0.05
No. 4 ESD11H130 1-pole 3-throws Operating Force b→a←c 1.96 N±1.47 N b←a→c 2.45 N±1.47 N 	Circuit diagram  View from terminal side Recommended PWB piercing plan  Tolerance: ±0.05

Note: ◎C=Common terminal

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■ Dimensions in mm (not to scale)

No. 5 ESD11V220 2-poles 2-throws Operating Force ①↔② 1.96 N±1.47 N 	Circuit diagram  View from terminal side Recommended PWB piercing plan  Tolerance: ±0.05
No. 6 ESD11H220 2-poles 2-throws Operating Force ①↔② 1.96 N±1.47 N 	Circuit diagram  View from terminal side Recommended PWB piercing plan  Tolerance: ±0.05
No. 7 ESD11V230 2-poles 3-throws Operating Force ②→①←③ 1.96 N±1.47 N ③←①→② 2.45 N±1.47 N 	Circuit diagram  View from terminal side Recommended PWB piercing plan  Tolerance: ±0.05
No. 8 ESD11H230 2-poles 3-throws Operating Force ②→①←③ 1.96 N±1.47 N ③←①→② 2.45 N±1.47 N 	Circuit diagram  View from terminal side Recommended PWB piercing plan  Tolerance: ±0.05

Note: ◎C=Common terminal

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