

Push Switch Horizontal Type Double Action

SPEE Series



0.7mm-travel Low-profile type



Features

- 4×5mm outer dimension with 1.22mm height suitable for high density mounthing
- The initial push makes the first contact to make ON.
- Further push makes the second contact to make ON.

Applications

- Cameras,digital cameras
- Digital video cameras
- Compact portable devices
- Camera equipped mobile telephones

Typical Specifications

Items	Specifications	
Rating (max.)/(min.) (Resistive load)	5V 20mA/3V 100μA	
Travel	1st 0.3mm	2nd 0.71mm
Operating force	1st 1.75N	2nd 1.1N
Operating life	100,000 cycles	

Products Line

Poles	Positions	Terminal style	Minimum packing unit (pcs.)	Products No.
1	2	For PC board (Reflow)	4500	SPEE120100

Note

Additional switches not included in the above list are also available. Contact us for details.

Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line
Package Type

Multi Control
Devices

TACT Switch™

Custom-
Products

Horizontal
Type

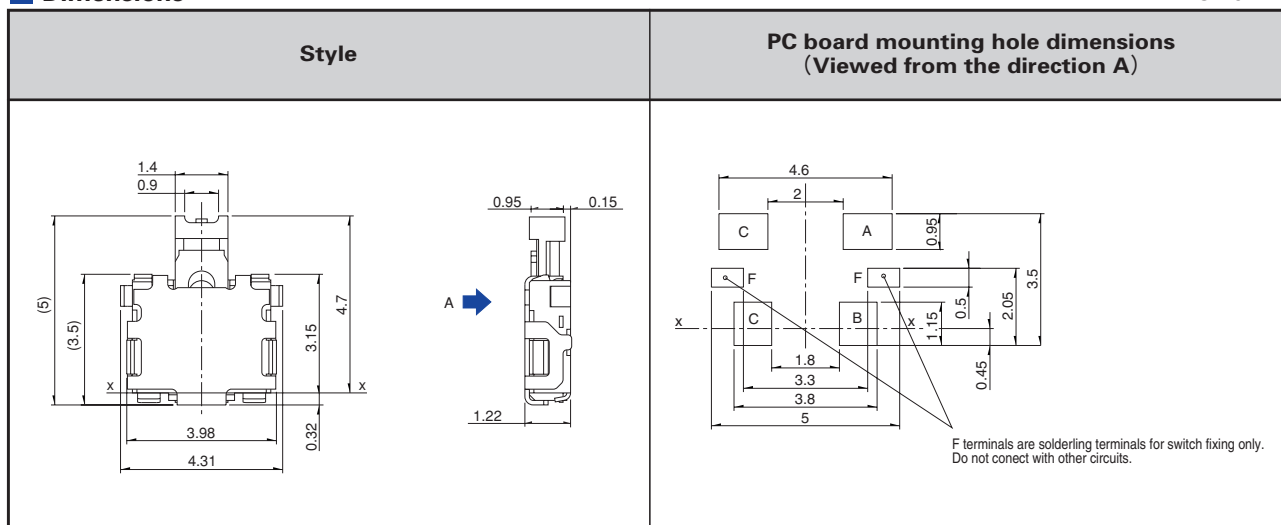
Vertical
Type

Push Switch

Horizontal Type Double Action | SPEE Series

Dimensions

Unit:mm

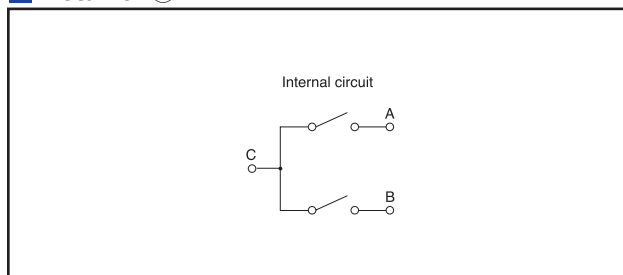


Out put chart

	A	B
Initial position	—	—
First position	○	—
Second position	—	○
Full travel	—	○

Detail of ①

Unit:mm



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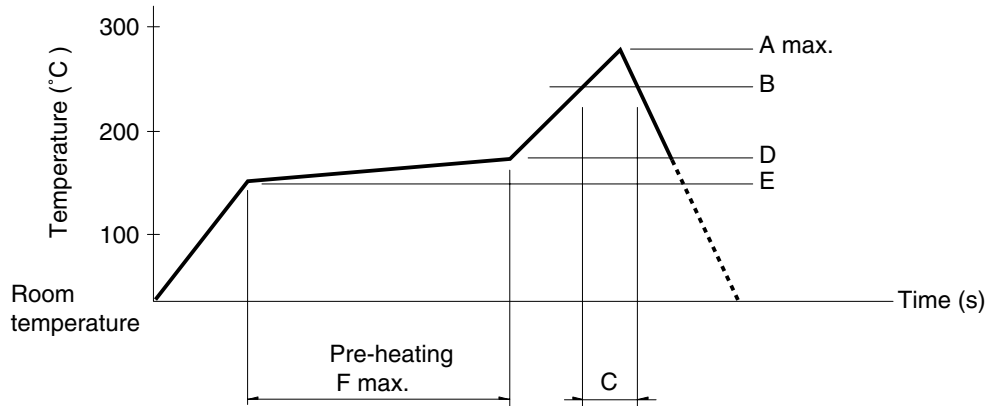
Horizontal
Type

Vertical
Type

Soldering Conditions

Example of Reflow Soldering Condition

1. Heating method: Double heating method with infrared heater.
2. Temperature measurement: Thermocouple 0.1 to 0.2 φ CA (K) or CC (T) at soldering portion (copper foil surface). A heat resisting tape should be used for fixed measurement.
3. Temperature profile



Series (Reflow type)	A (°C) 3s max.	B (°C)	C (s)	D (°C)	E (°C)	F (s)
SPEE	260	230	40	180	150	120

Notes

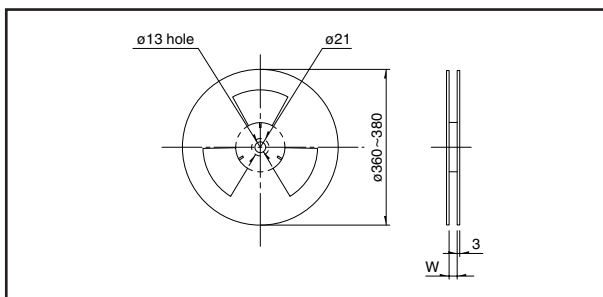
1. The condition mentioned above is the temperature on the mounting surface of a PC board. There are cases where the PC board's temperature greatly differs from that of the switch, depending on the PC board's material, size, thickness, etc. The above-stated conditions shall also apply to switch surface temperatures.
2. As the conditions vary some how depending on the kind of reflow soldering equipment, please make sure you have the right one before use.

Taping Specifications

Taping Packaging

Reel Size

Unit:mm



Series	Number of packages (pcs.)			Reel width W (mm)	Tape width (mm)
	1 reel	1 case / domestic	1 case / export packing		
SPEE	4,500	9,000	18,000	16.4	16

Note

Order products in N minimum packing units (1 reel or 1 case).

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