



X CLOSE

Detector Switch > SPVE Series > SPVE110600

Compact One-way Operation Type SPVE Series

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Part number [Series Common Info](#)
SPVE110600

NET SHOP

3D CAD

RoHS

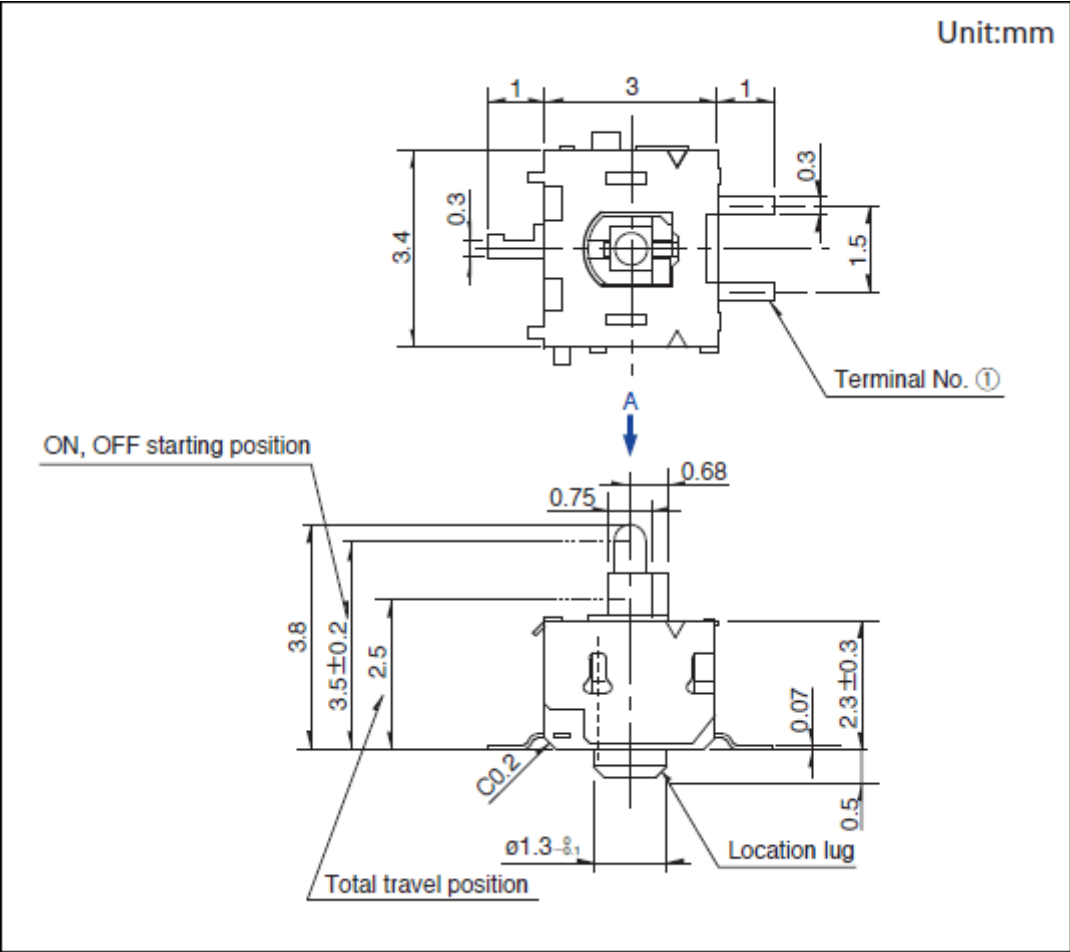
Print

Inquiry

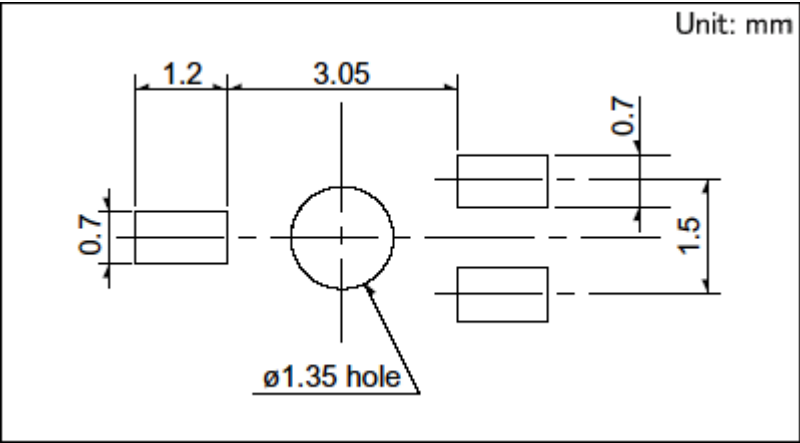
Poles	1
Positions	1
Terminal type	For PC board (Reflow)
Operating force	0.3N max.
Slider height (mm)	3.8
ON start position (mm)	3.5
Total travel position (mm)	2.5
Style	Standard
Location lug	With
Operating temperature range	-10°C to +60°C

Rating (max.)/(min.) (Resistive load)		0.1A 30V DC/50 μ A 3V DC
Electrical performance	Contact resistance (Initial/After operating life)	500m Ω max./1 Ω max.
	Insulation resistance	100M Ω min. 100V DC
	Voltage proof	100V AC for 1 minute
Mechanical performance	Terminal strength	0.5N for 1 minute
	Actuator strength	5N
Durability	Operating life without load	50,000 cycles 1 Ω max.
	Operating life with load Rating (max.) (Resistive load)	50,000 cycles 1 Ω max.
Environmental performance	Cold	-20°C 96h
	Dry heat	85°C 96h
	Damp heat	40°C, 90 to 95%RH 96h
Minimum order unit (pcs.)		Japan 2,800 Export 22,400

Dimensions

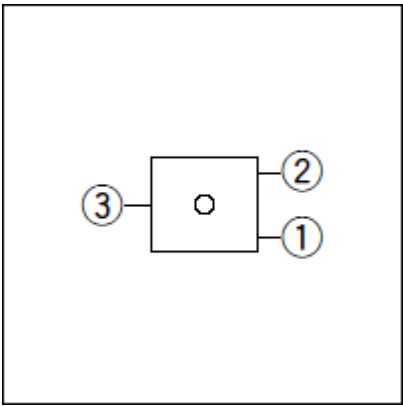


Land Dimensions

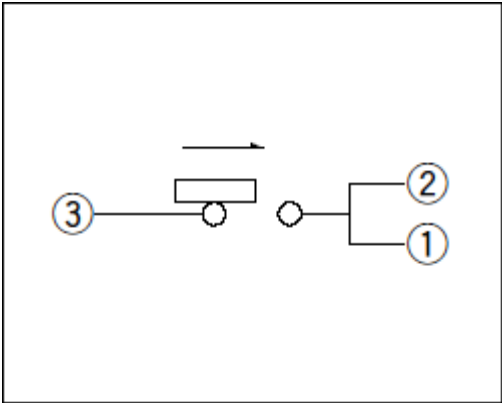


Viewed from direction A in the dimensions.

Terminal Layout

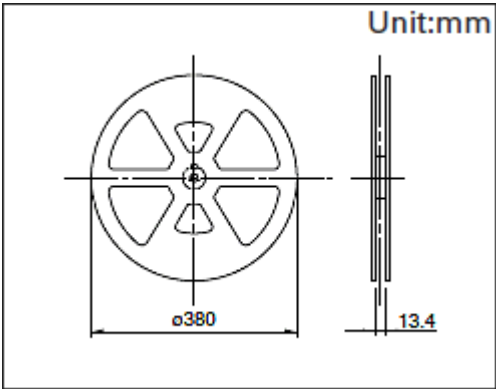


Circuit Diagram



Packing Specifications

Taping



	1 reel	2,800
Number of packages (pcs.)	1 case / Japan	5,600
	1 case / export packing	22,400
Tape width (mm)	12	

Export package measurements (mm) $406 \times 406 \times 190$

Soldering Conditions

Example of Reflow Soldering Condition

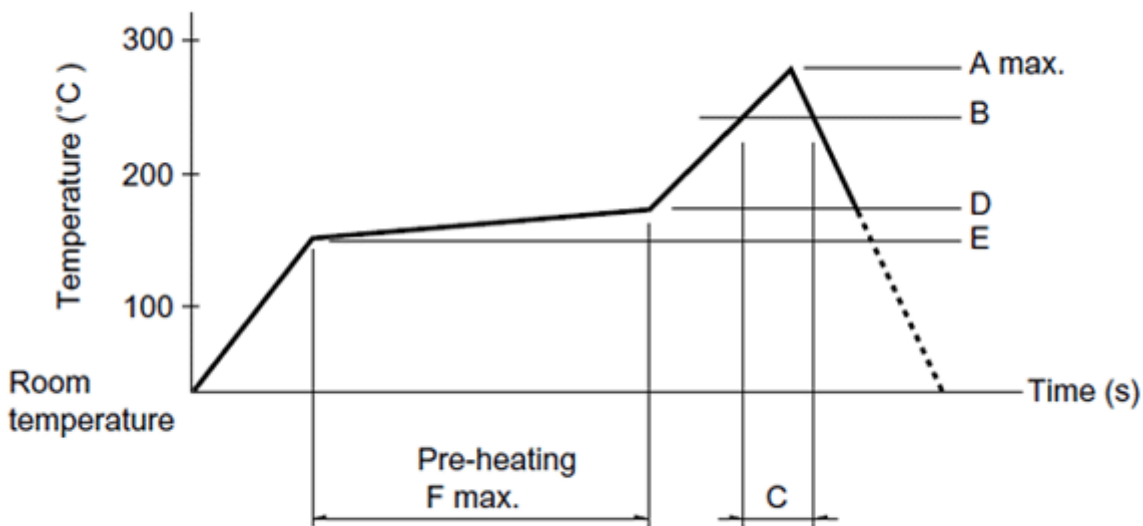
1. Heating method

Double heating method with infrared heater.

2. Temperature measurement

Thermocouple 0.1 to 0.2VCA (K) or CC (T) at soldering portion (copper foil surface) . A heat resisting tape should be used for fixed measurement.

3. Temperature profile



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

(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, surface depending on the PC board's material, size, thickness, etc. The above-stated conditions shall also apply to switch surface temperatures.

(2) Soldering conditions differ depending on reflow soldering machines. Prior verification of soldering condition is highly recommended.

Reference for Hand Soldering

Soldering temperature $350 \pm 5^\circ\text{C}$

Soldering time 3s max.

Notes are common to this series/models.

1. This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
2. Standard type dimensions indicate "with location lug." version.
3. Please place purchase orders per minimum order unit (integer).
4. Products other than those listed in the above chart are also available. Please contact us for details.

Inquiries about Products

[Inquiry.](#)

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