

Compact One-way Operation Type SPVE Series

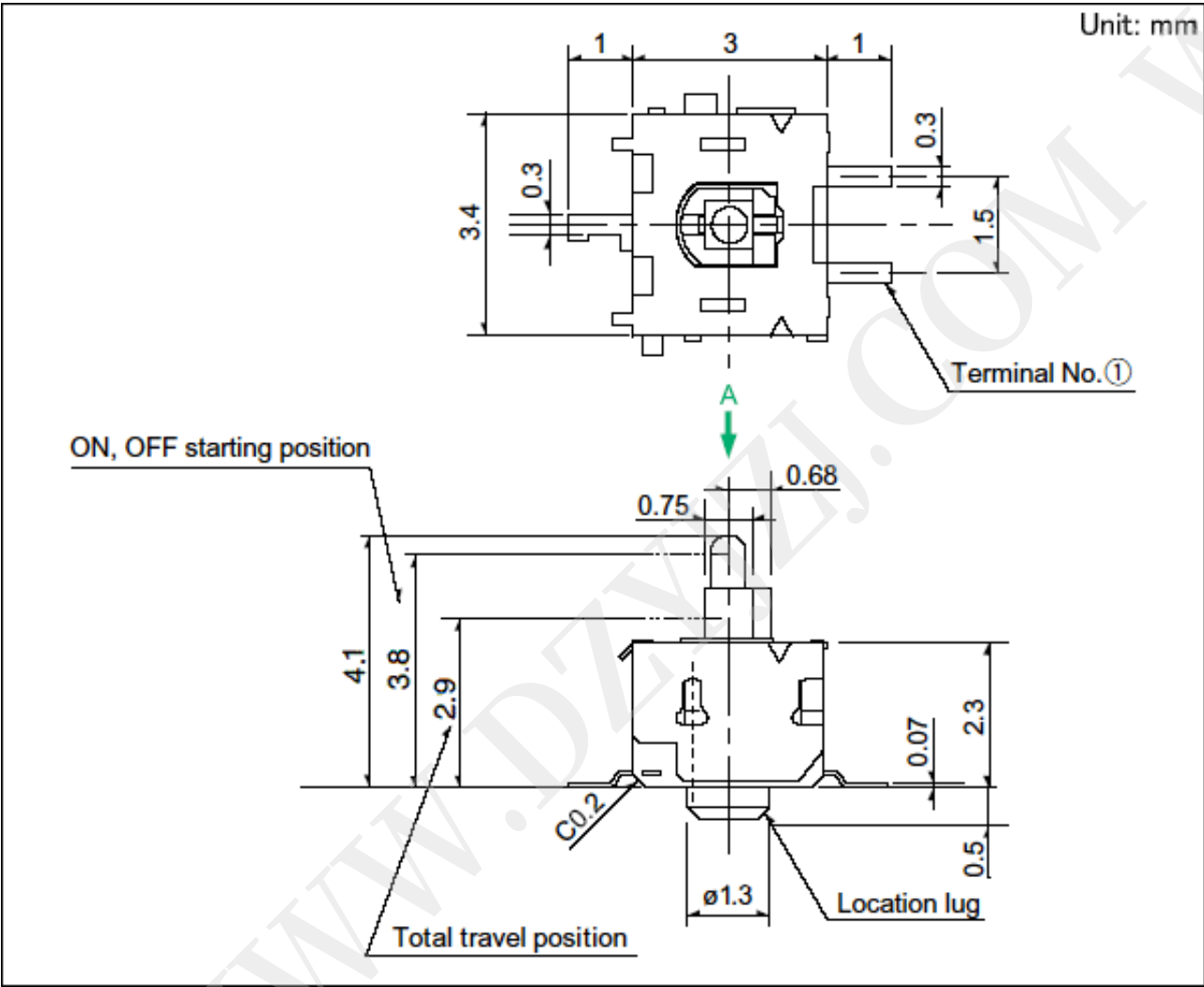
Poles	1	
Positions	1	
Terminal type	For PC board (Reflow)	
Operating force	0.3N max.	
Slider height (mm)	4.1	
ON start position (mm)	3.8	
Total travel position (mm)	2.9	
Style	Standard	
Location lug	With	
Operating temperature range	-10℃ to +60℃	
Rating (max.)/(min.) (Resistive load)	0.1A 30V DC/50μA 3V DC	
Electrical performance	Contact resistance (Initial/After operating life)	500mΩ max./1Ω max.
	Insulation resistance	100MΩ 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 1Ω max.
	Operating life with load Rating (max.) (Resistive load)	50,000 cycles 1Ω max.
Environmental	Cold	-20℃ 96h

performance

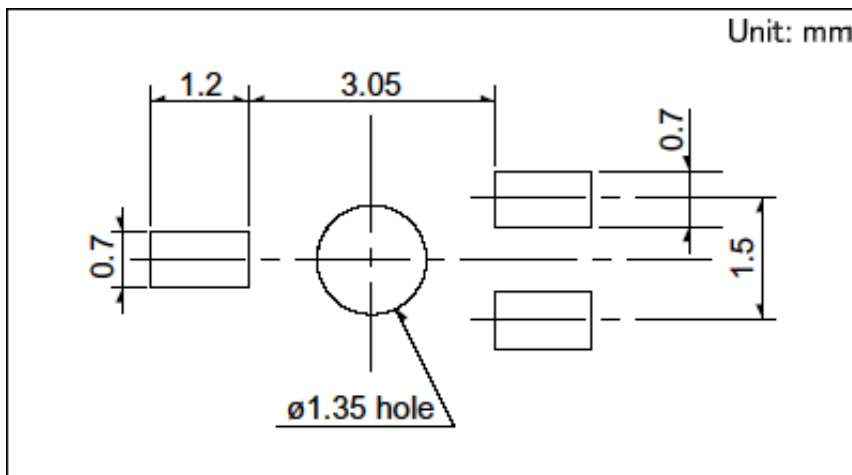
Dry heat	85℃ 96h
Damp heat	40℃, 90 to 95%RH 96h

Minimum order unit (pcs.)	Japan	2,800
	Export	22,400

Dimensions

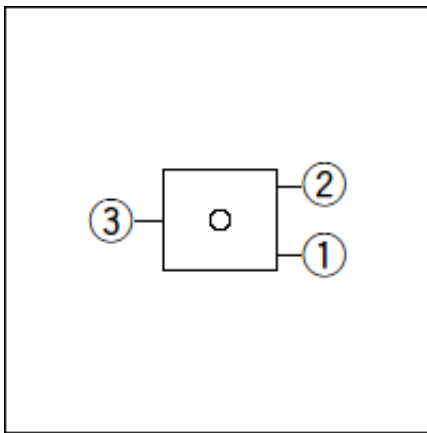


Land Dimensions

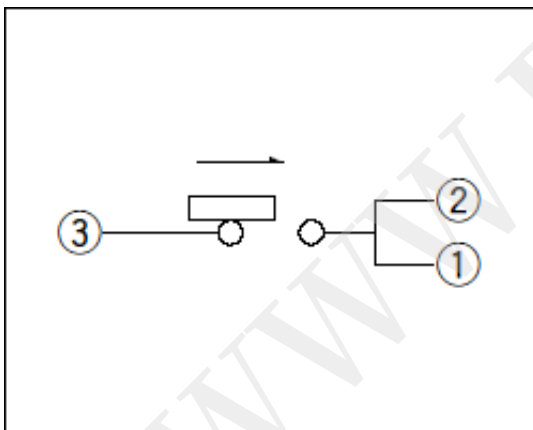


Viewed from direction A in the dimensions.

Terminal Layout

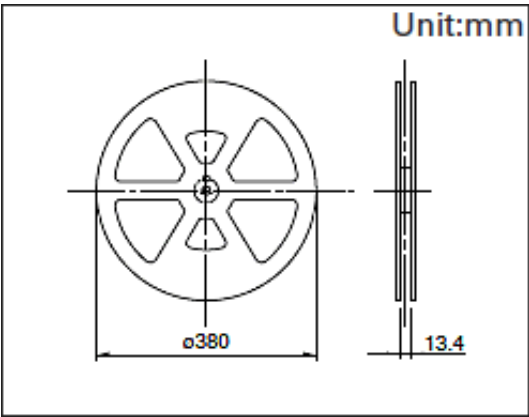


Circuit Diagram



Packing Specifications

Taping

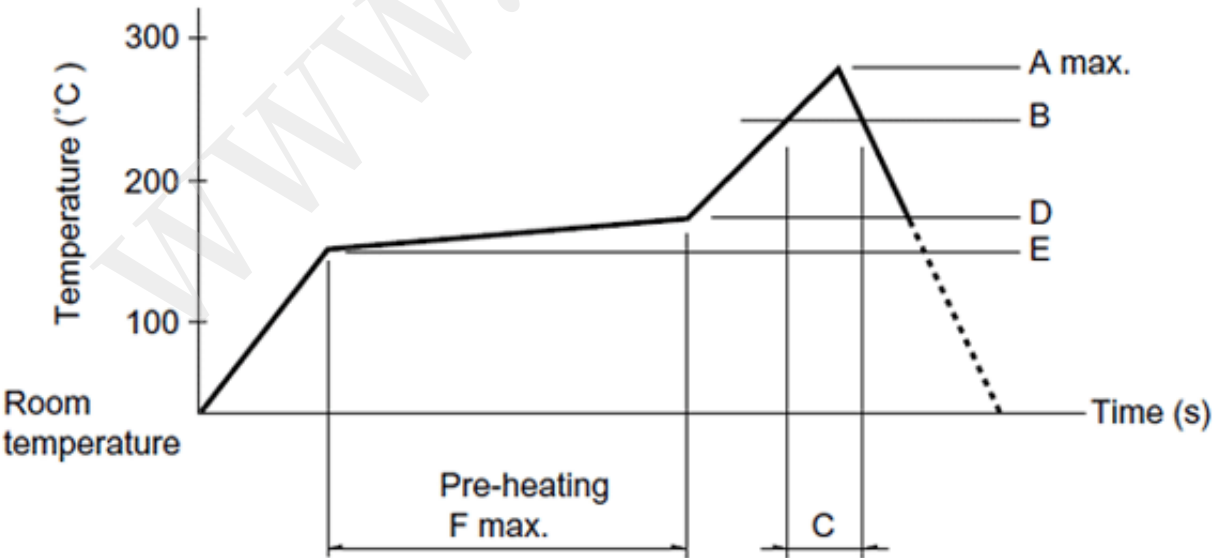


Number of packages (pcs.)	1 reel	2,800
	1 case / Japan	5,600
	1 case / export packing	22,400
Tape width (mm)	12	
Export package measurements (mm)	406×406×190	

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
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(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±5℃
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Soldering time	3s max.
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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.