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Detector Switch > SPVT Series > SPVT210104

1.9mm-thick Two-way Operation Type SPVT Series

Dimensions Backside Land Dimensions Terminal Layout Circuit Diagram Packing Specifications Soldering Conditions



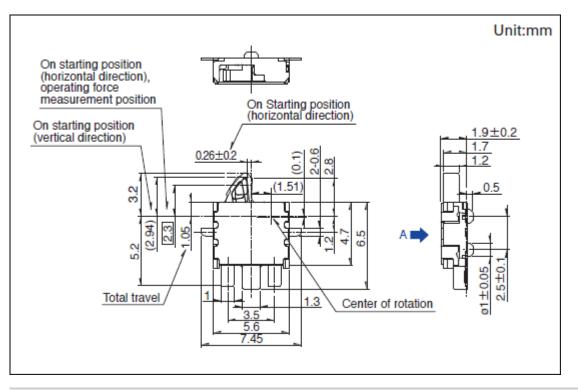
Part number SPVT210104 (SPVT210101) The part number in () is the old part number. NET SHOP SD CAD ROHS Print Inquiry

Poles		1
Positions		1
Terminal type		For PC board (Reflow)
Operating force		0.4N max.
Operating direction		Left
Location lug		With
Side terminal		With both sides.
Operating temperature range		-40°C to +85°C
Rating (max.)/(min.) (Resistive load)		50mA 20V DC/100μA 3V DC
Electrical performance	Contact resistance (Initial/After operating life)	500m Ω max./1 Ω 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	10N
Durability	Operating life without load	100,000 cycles 1Ω max.

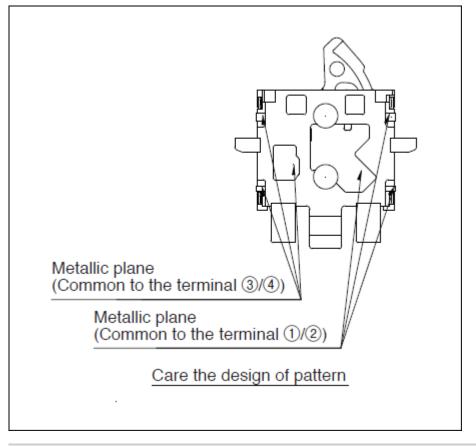
Operating life with load 100,000 cycles 1 Ω max. Rating (max.) (Resistive load) Environmental -40°C 96h Cold performance Dry heat 85°C 96h 40°C, 90 to 95%RH 96h Damp heat Minimum order unit 2,500 Japan (pcs.) Export 10,000

SPVT Series - Basic information

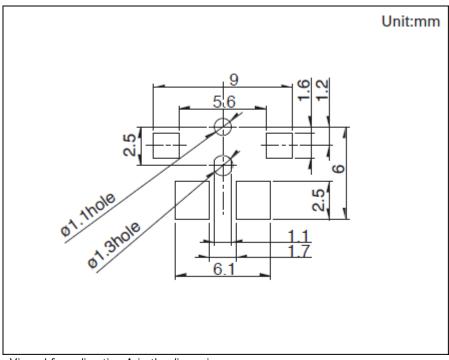
Dimensions



Backside

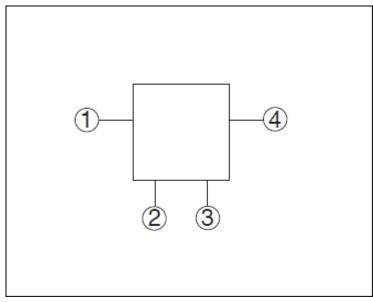


Land Dimensions

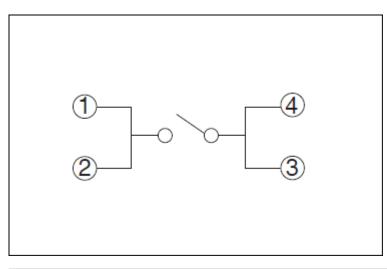


Viewed from direction A in the dimensions.

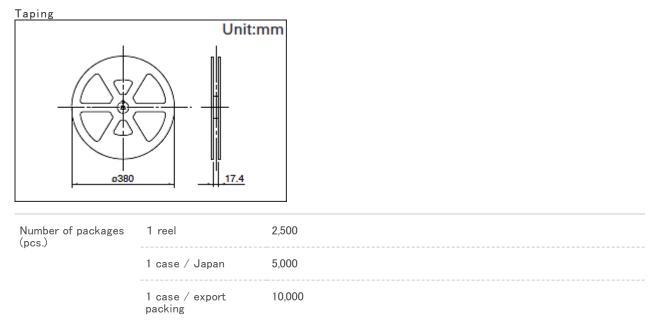
Terminal Layout



Circuit Diagram



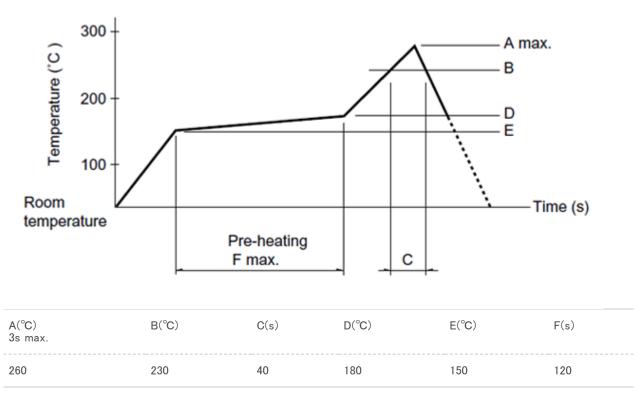
Packing Specifications



Tape width (mm)	16
Export package measurements (mm)	417 × 409 × 139

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



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

Reference for Hand Soldering				
Soldering temperature	350±5℃			
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. This unit cannot be used in water.
- 3. Please place purchase orders per minimum order unit (integer).
- 4. This products can be used in vehicles.
- Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.

Inquiries about Products

Inquiry