

? Dimensions ? Land Dimensions ? Circuit Diagram ? Packing Specifications ? Soldering Conditions ?

PRINT

Part number	SSAH120100		
Travel	1.5mm		
Actuator directions	Horizontal		
Actuator thickness	0.7mm		
Poles	1		
Positions	3		
Operating force	Refer to the dimensions		
Changeover timing	Not specified		
Ground terminal	With		
Soldering	Reflow		
Location lug	Without		
Operating temperature range	-30° to +60°		
Rating (max.)/(min.) (Resistive load)	1mA 5V DC/50μA 3V DC		
Electrical performance	Contact resistance (Initial performance/After lifetime)	200mΩ max./300mΩ max.	
	Insulation resistance	100MΩ min. 100V DC	
	Voltage proof	100V AC for 1 minute	
Mechanical performance	Terminal strength	3N for 1 minute	
	Actuator strength	Operating direction	10N
		Pulling direction	10N
Durability	Operating life without load	10,000 cycles 300mΩ max.	
	Operating life with load (at max. rated load)	10,000 cycles 300mΩ max.	
Environmental performance	Cold	-40±2° for 96h	
	Dry heat	85±2° for 96h	
	Damp heat	60±2° , 90 to 95%RH for 240h	
Minimum order unit (pcs.)	Japan	4,000	
	Export	16,000	

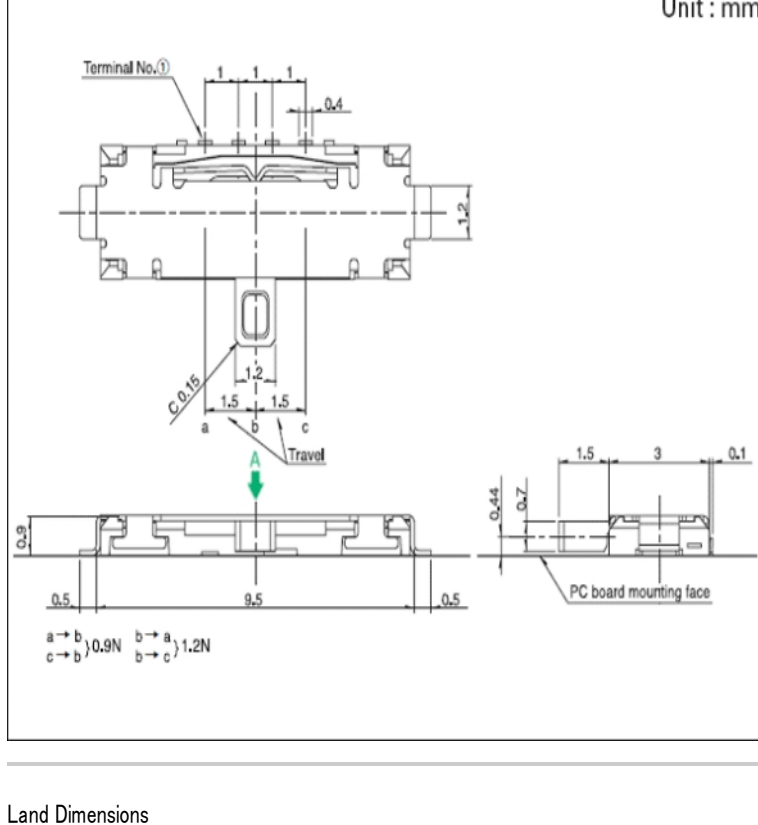
3D CAD (STEP)



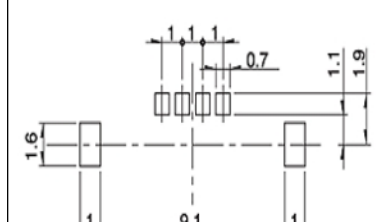
Certificate of Compliance to RoHS regulations



Dimensions

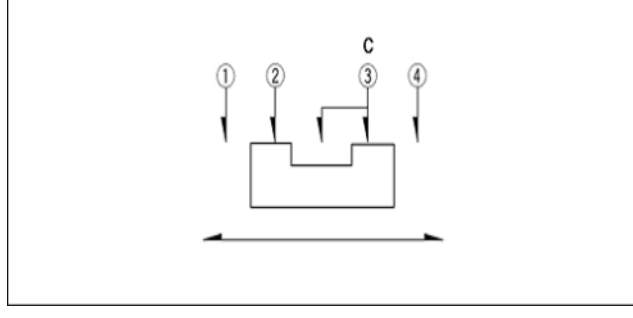


Land Dimensions

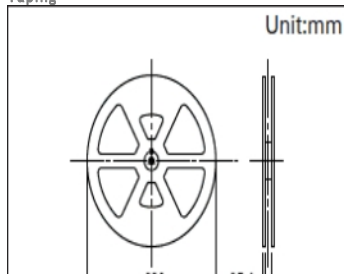


Viewed from direction A in the dimensions.

Circuit Diagram



Packing Specifications



Number of packages (pcs.)	1 reel	4,000
	1 case / Japan	8,000
	1 case / export packing	16,000
Tape width (mm)	24	
Export package measurements (mm)	428 × 413 × 172	

Soldering Conditions

Example of Reflow Soldering Condition

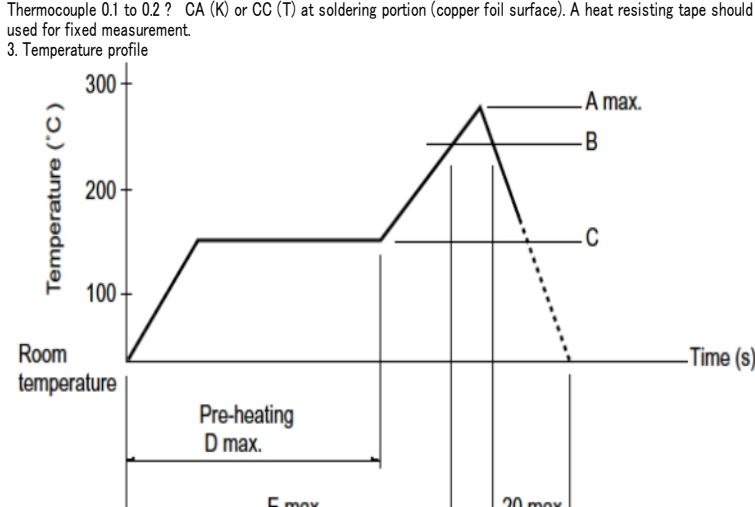
1. Heating method

Double heating method with infrared heater.

2. Temperature measurement

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

3. Temperature profile



A(?) 3s max.	B(?)	C(s)	D(?)	E(?)	F(s)
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, 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°
Soldering time	3s max.

Notes are common to this series/models.

- This site catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
- Please place purchase orders per minimum order unit (integer).

Inquiries about Products

Inquiry

For more information please contact: Sales or Products Information Center.

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