



2.0(H)mm, 2.0mm-travel Type SSSS7 Series

Travel		2mm	
Actuator directions		Horizontal	
Actuator length		2mm	
Poles		1	
Positions		3	
Operating force		Refer to the dimensions.	
Changeover timing		Non shorting	
Soldering		Reflow	
Operation		Standard	
Operating temperature range		-40°C to +85°C	
Rating (max.)/(min.) (Resistive load)		0.3A 4V DC/50μA 3V DC	
Electrical performance	Contact resistance (Initial performance/After lifetime)	70mΩ max./130mΩ max.	
	Insulation resistance	100MΩ min. 500V DC	
	Voltage proof	500V 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 100mΩ max.	
	Operating life with load (at max. rated load)	10,000 cycles 130mΩ max.	
Environmental performance	Cold	-20°C 500h	

Dry heat

85°C 500h

Damp heat

60°C, 90 to 95%RH 500h

Minimum order unit (pcs.)

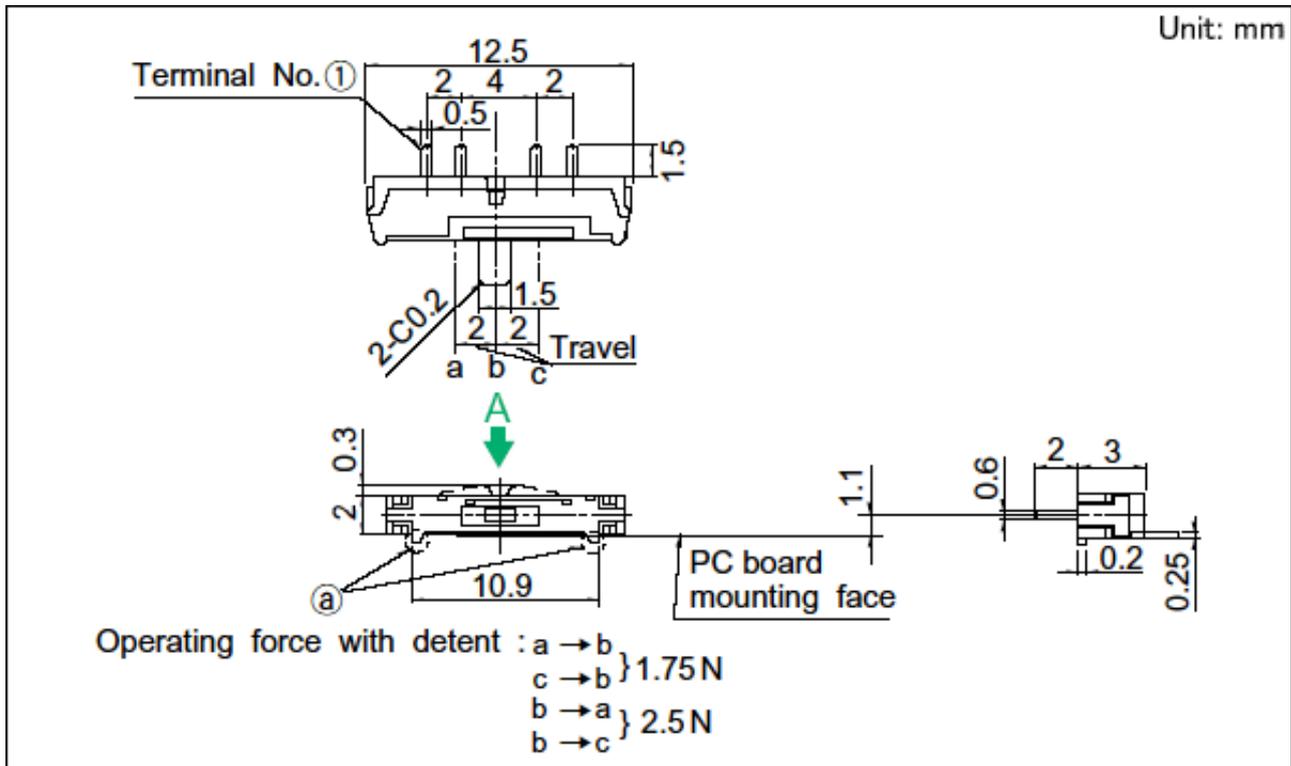
Japan

2,000

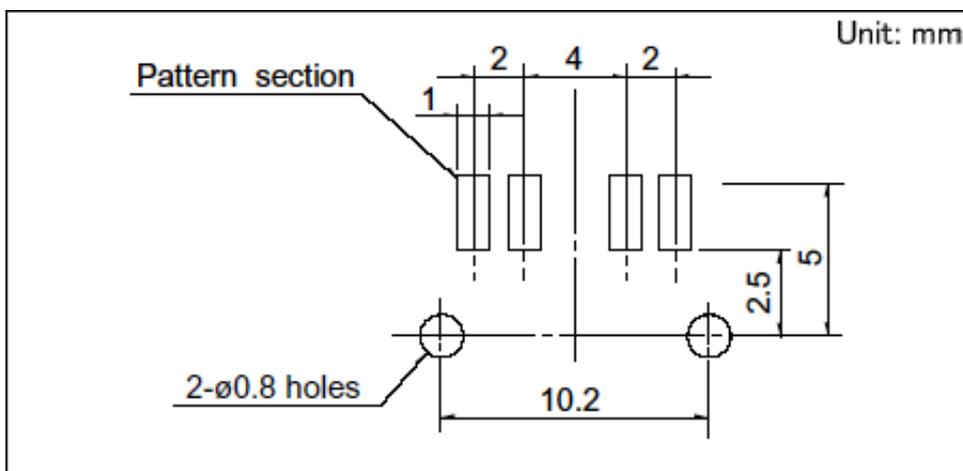
Export

8,000

Dimensions

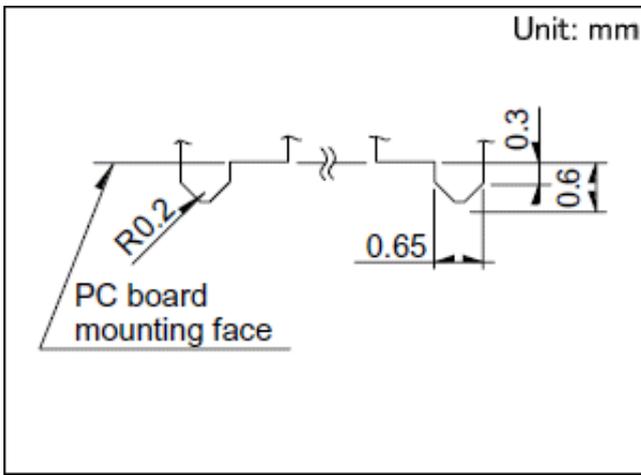


Land Dimensions

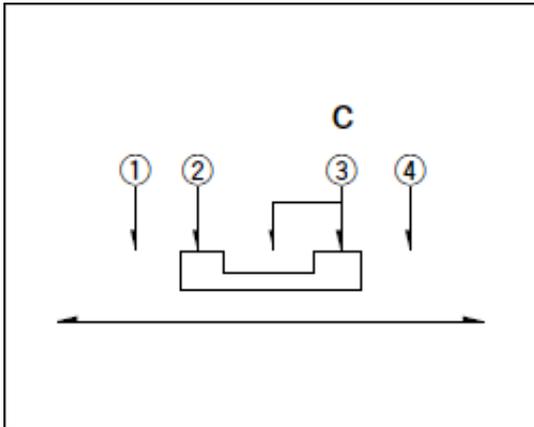


Viewed from direction A in the dimensions.

Detail of (a)

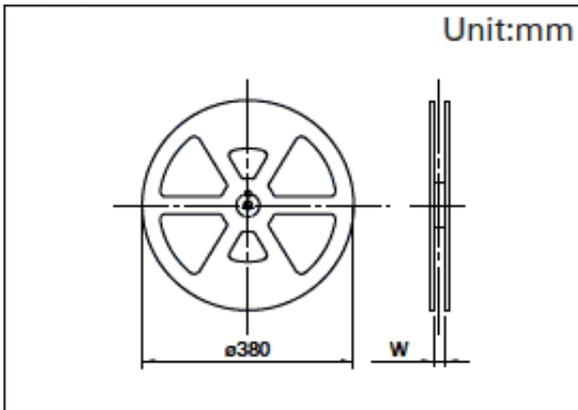


Circuit Diagram



Packing Specifications

Taping



Number of packages (pcs.)	1 reel	2,000
	1 case / Japan	4,000
	1 case / export packing	8,000

Reel width W(mm) 25.4

Tape width (mm) 24

Export package measurements (mm) 406×406×190

Soldering Conditions

Example of Reflow Soldering Condition

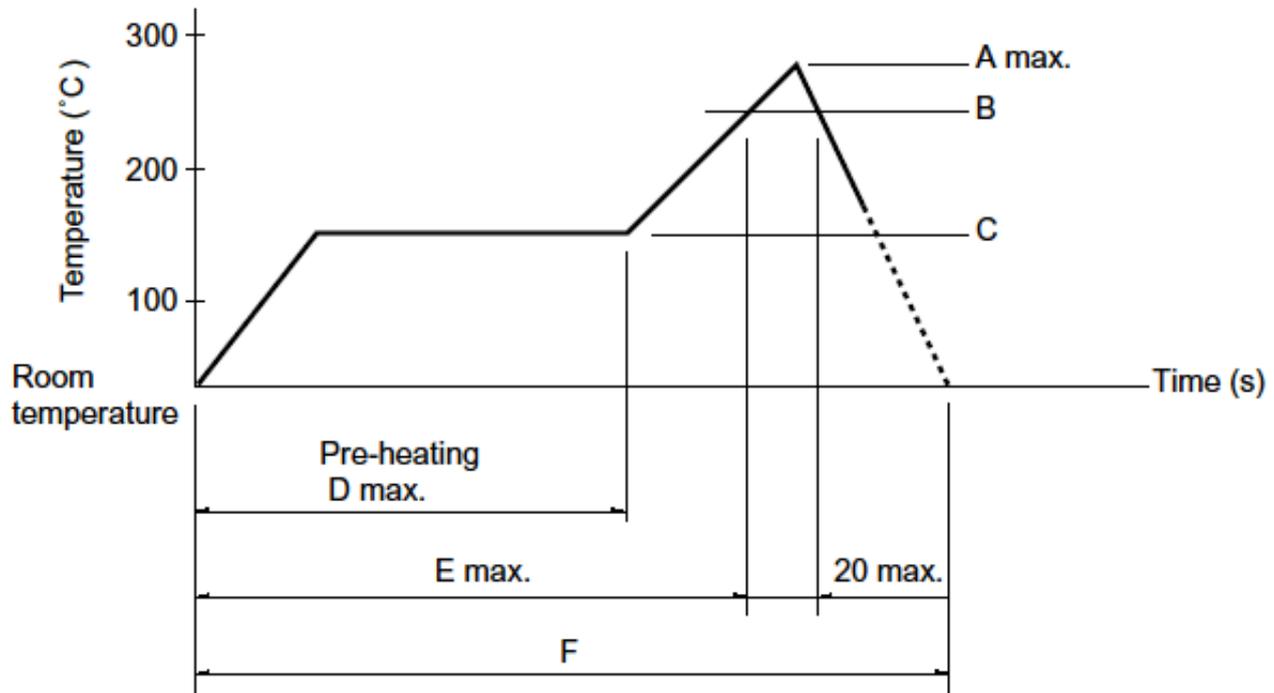
1. Heating method

Double heating method with infrared heater.

2. Temperature measurement

Thermocouple 0.1 to 0.2 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



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, 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	320±5°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. Please place purchase orders per minimum order unit (integer).
3. Products other than those listed in the above chart are also available. Please contact us for details.
4. Please contact us for automotive use products.