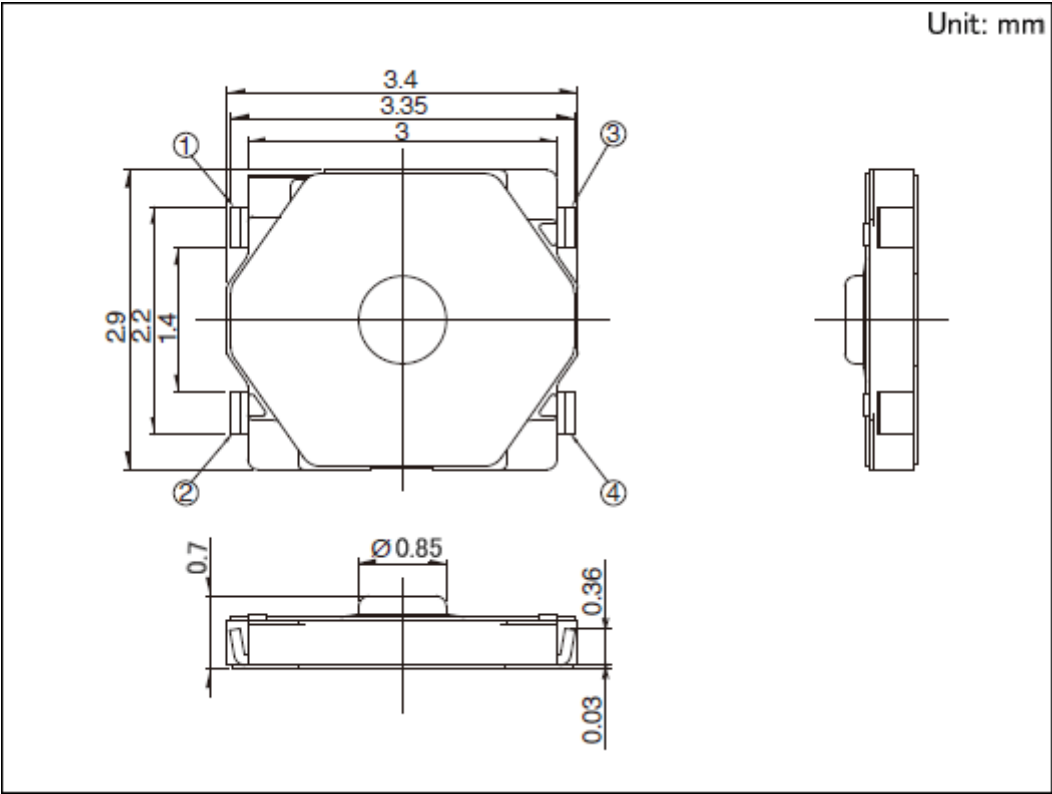




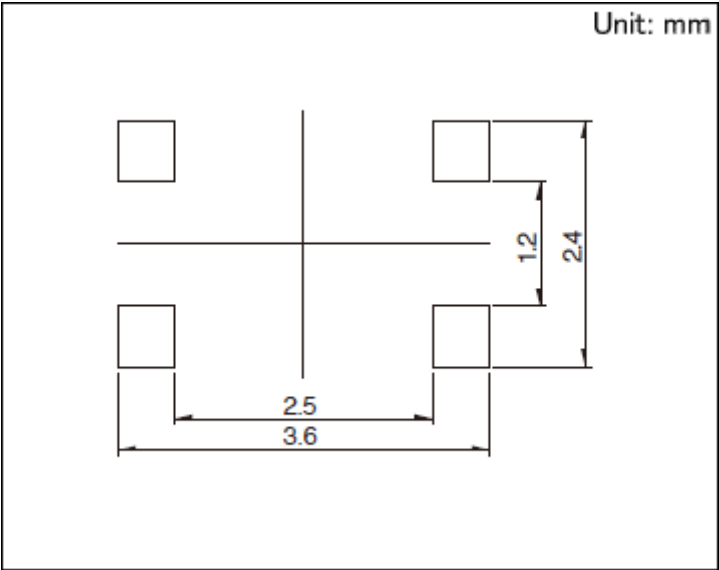
3.4×2.9mm Compact Type with Projection (Surface Mount) SKSM Series

Part number			SKSMAFE010
Type			Surface mount
Operating force			1.6N
Operating direction			Top push
Travel			0.1mm
Operating life (5mA 5V DC)			500,000 cycles
Initial contact resistance			500mΩ max.
Protective structure			IP67 equivalent
Series type			Sharp feeling type
Operating temperature range			-30℃ to +85℃
Rating (max.)			50mA 12V DC
Rating (min.)			10μA 1V DC
Electrical performance	Insulation resistance		100MΩ min. 100V DC for 1min.
	Voltage proof	100V AC for 1 min.	
Durability	Vibration	10 to 55 to 10Hz/min., the amplitude is 1.5mm for all the frequencies, in the 3 direction of X, Y and Z for 2 hours respectively	
Environmental performance	Cold	-30±2℃ for 96h	
	Dry heat	80±2℃ for 96h	
	Damp heat	60±2℃, 90 to 95%RH for 96h	
Minimum order unit (pcs.)	Japan	10,000	
	Export	10,000	

Dimensions

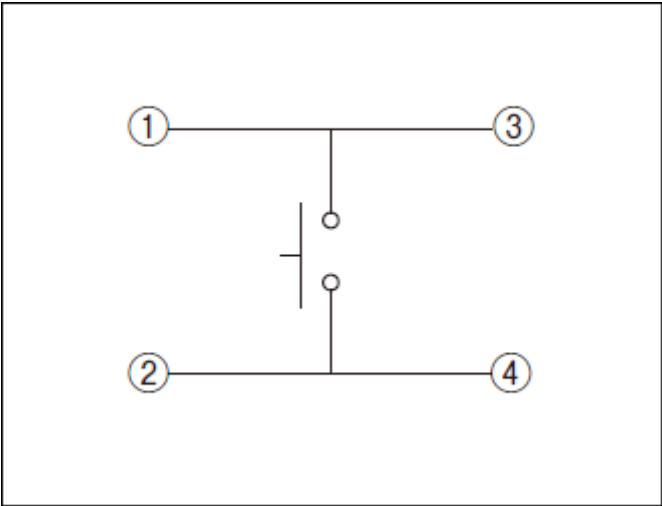


Land Dimensions



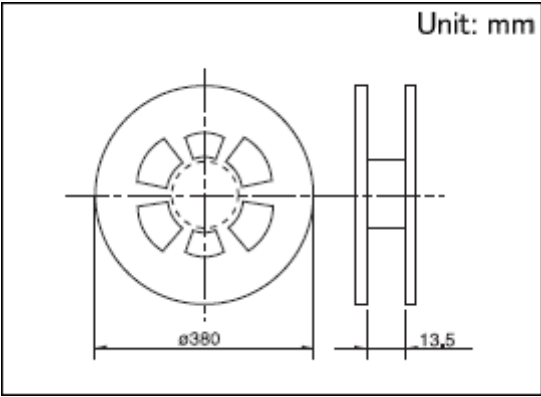
Viewed from switch mounting face

Circuit Diagram



Packing Specifications

Taping



Number of packages (pcs.)	1 reel	10,000
	1 case / Japan	100,000
	1 case / export packing	100,000
Tape width (mm)	12	
Export package measurements (mm)	395×395×205	

Soldering Conditions

Condition for Reflow

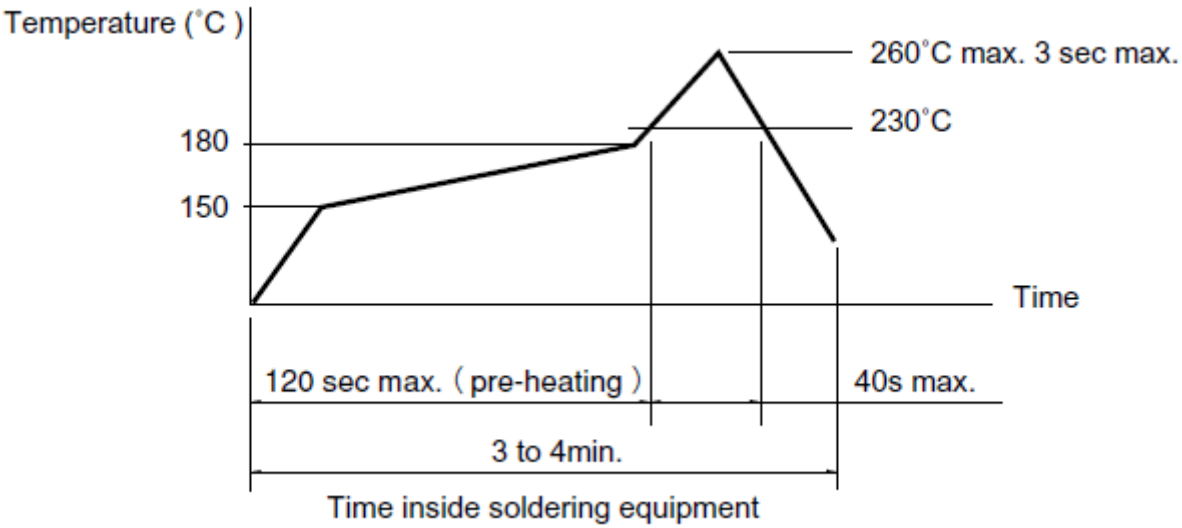
1. Heating method

Double heating method with infrared heater.

2. Temperature measurement

Thermocouple 0.1 to 0.2 Φ CA(K) or CC(T) at solder joints (copper foil surface). A heat resisting tape should be used for fix measurement.

3. Temperature profile



- (1) The above temperature shall be measured of the top of switch. There are cases where PC board's temperature greatly differs from that of the switch, depending on the material, size, thickness of PC board's and others. Care, should be taken to prevent the switch's surface temperature from exceeding 260°C.
- (2) Soldering conditions differ depending on reflow soldering machines. Prior verification of soldering condition is highly recommended.

Manual Soldering

Items	Condition
Soldering temperature	350°C max.
Duration of soldering	3s max.
Capacity of soldering iron	60W max.

1. Consult with us for availability of TACT switch™ washing.
2. Prevent flux penetration from the top side of the TACT switch™.
3. Switch terminals and a PC board should not be coated with flux prior to soldering.
4. The second soldering should be done after the switch returns to normal temperature.

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 for taping products per minimum order unit (1 reel or a case).
3. For φ330mm diameter reel requirements, please contact us.
4. Please contact us for automotive use products.
5. Protective structure :
Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.
IP67 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

Mouser Electronics

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