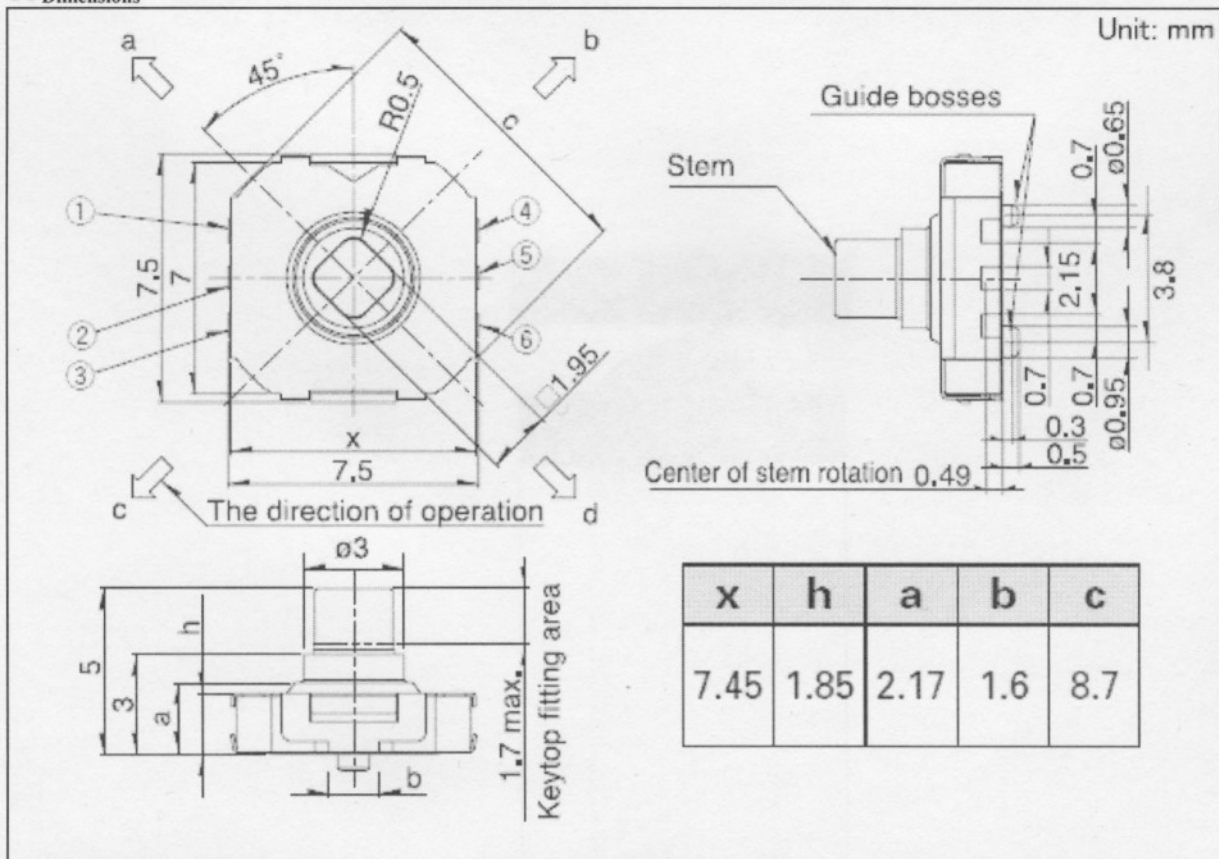


## 4-direction with Center-push Function TACT Switch™ (Surface mount type) SKRH Series

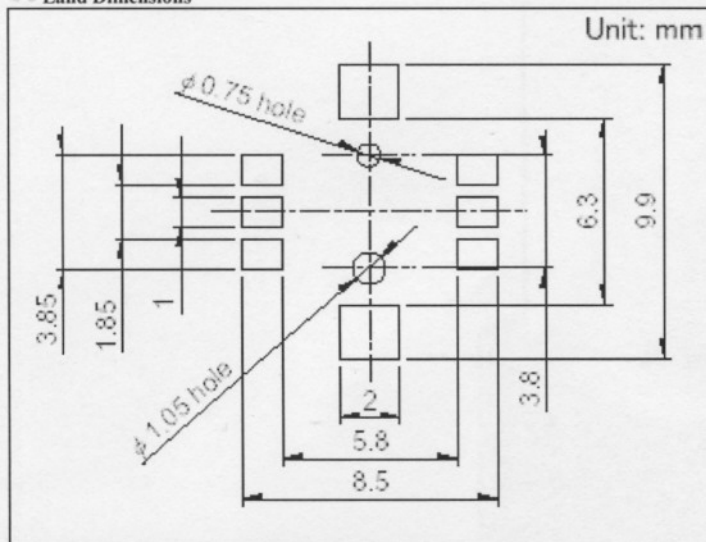
### Detail

Part number		SKRHACE010	
Type		Surface mount	
Operating force	4-direction		1.2N
	Center push		2.35N
Travel	4-direction		0.25mm
	Center push		0.15mm
Operating life (5mA 5V DC)		1,000,000 cycles for each direction	
Initial contact resistance		100mΩ max.	
Stem color		Natural	
Guide bosses		Without	
Minimum order unit (pcs.)		1,300	
Operating temperature range		-30□ to +85□	
Ratings (max.)/(min.) (Resistive load)		50mA 12V DC/10μA 1V DC	
Electrical performance	Directional resolution		4-direction
	Insulation resistance		100MΩ min. 100V DC
	Voltage proof		100V AC for 1 minute
Mechanical performance	Direction operating force		1.2±0.69N
	Push operating force		2.35±0.69N
	Solder heat resistance	Manual soldering	350□ max. 3s max.
		Reflow soldering	Refer to soldering conditions
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
	Operating life	Directions	1,000,000 cycles for each direction
		Center push	1,000,000 cycles
Environmental performance	Cold		-30±2□ for 96h
	Dry heat		80±2□ for 96h
	Damp heat		60±2□, 90 to 95%RH for 96h

• Dimensions

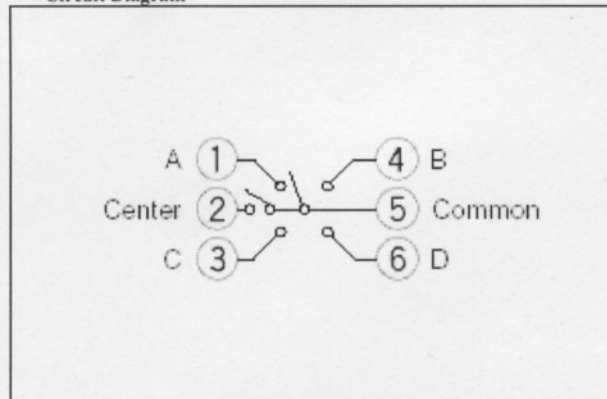


• Land Dimensions



Viewed from mounting face.

• Circuit Diagram



## ● Soldering Condition

### Example of Reflow Soldering Condition (Reference)

#### 1. Heating method

Double heating method with infrared heater.

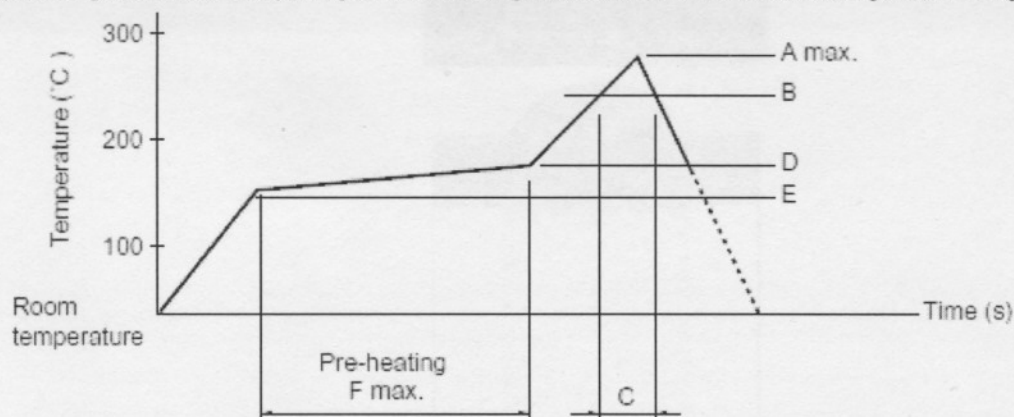
#### 2. Temperature measurement

Thermocouple 0.1 to 0.2  $\Phi$  CA (K) or CC (T) at solder joints (copper foil surface). A heat resisting tape should be used to fix thermocouple.

#### 3. Temperature profile

(1) The condition mentioned above is the temperature on the mounting surface of a PC board. There are cases where PC board's temperature greatly differs from that of the switch, depending on the PC board's material, size, thickness, etc. 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.



Series (Reflow type)	A (°C) 3s max.	B (°C)	C (s)	D (°C)	E (°C)	F (s)
RKJXS/SKRV/SKRH/SKQUBA,DB/SSAF/SRBE	260	230	40	180	150	120

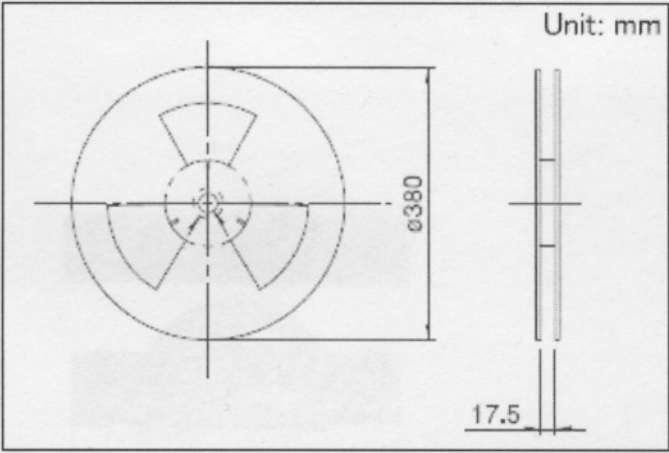
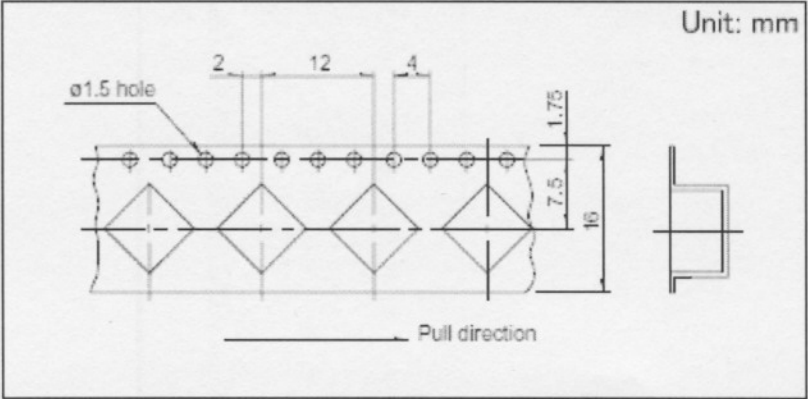
1. Consult with us for TACT switch™ washing conditions.

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.

● Taping Specifications  
Taping Packaging for Auto-insertion

Reel Size	
Number of Packages 1 reel	1,300
Number of Packages 1 case / Japan	10,400
Number of Packages 1 case / export packing	10,400
Reel Width W (mm)	17.5
Tape dimensions	
Tape width (mm)	16

» NOTE 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. 4-directional operating force and travel are measured at 4.3mm height from the bottom of the switch.
3. Please place purchase orders for taping products per minimum order unit (1 reel or a case).



Inquiries about Products

For more information please contact: Products Information Center.

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