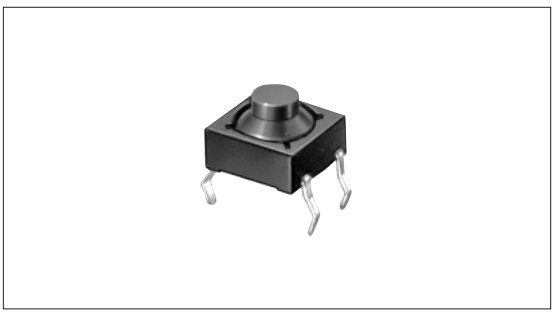
TACT Switch™

7.8mm Square (Snap-in Type)

SKEY Series

RoHS compliant

7.8mm×7.8mm soft operation feeling for generic use.



Product Line

Product No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Rating (min.)	Operating life (5mA 5V DC)	Initial contact resistance	Rubber color	Height	Minimum order unit (pcs.)
SKEYAHA010	0.78N	Vertical	1	5mA 12V DC	10μA 1V DC	500,000cycles	500Ω max.	Light gray	h=5mm	1,000
SKEYAJA010	1.18N							Light blue		
SKEYACA010	2.45N		1.2			100,000cycles		Blue	h=5.5mm	

Packing Specifications

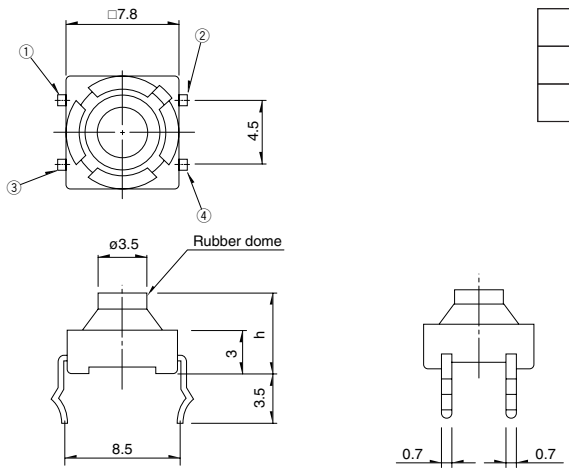
Bulk

Number of packages (pcs.)		Export package measurements (mm)
1 case /Japan	1 case /export packing	
4,000	16,000	309×476×347

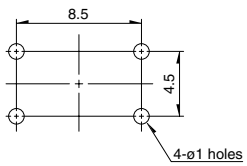
Dimensions

Unit:mm

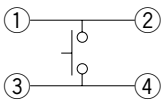
Style	PC board mounting hole dimensions (Viewed from switch mounting face)



h
5
5.5



Circuit Diagram



Note

1. Please Using a 1.6mm thick PC board is recommended.
2. Please place purchase orders per minimum order unit N (integer).

Refer to **P.328** for soldering conditions.

List of Varieties

Soft Feeling Type

Series		SKEG	SKEG	SKEY	SKPF	SKPM	SKPG	SKPL	SKPD
Photo									
Type		Snap–in				Surface mount		Radial	
Features		—	Horizontal type	—	High operation force travel	Low contact resistance	—	Round terminal and low contact resistance	—
Operating direction	Vertical	●	—	●	●	●	●	●	●
	Horizontal	—	●	—					
Dimensions (mm)	W	□6	7.5	□7.8	8	5.9	6.6	ϕ6.45	□7.8
	D		9.9		9	6	6.3		
	H	7	7.3	5	10	5	5		
Contact		Carbon				Silver	Carbon	Silver	Carbon
Operation force coverage	1N	↕	↕	↕	↕	↕	↕	↕	↕
	5N								
Ground terminal		—							
Operating temperature range		−20℃ to +70℃	−40℃ to +90℃						
Electrical performance	Insulation resistance	100MΩ min. 100V DC SKEY/PD : 50MΩ min. 100V DC							
	Voltage proof	250V AC for 1min. SKEY/PD : 100V AC for 1min.							
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 2hours respectively							
	Lifetime	Shall be in accordance with individual specifications.							
Environmental performance	Cold	−30±2℃ for 96h							
	Dry heat	80±2℃ for 96h							
	Damp heat	60±2℃, 90 to 95%RH for 96h							
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W : Width. The most outer dimension excluding terminal portion.
D : Depth. The most outer dimension excluding terminal portion.
H : Height. The minimum dimension if there are variances.

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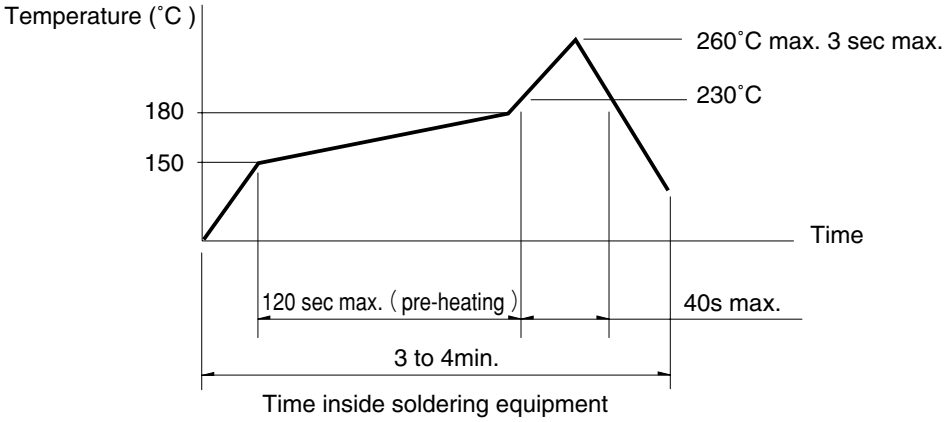
● Product Line of Knob for TACT Switch™ ·····330

Soldering Conditions

Condition for Reflow

Available for Surface Mount Type.

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 resistive tape should be used to fix thermocouple.
3. Temperature profile



Notes

1. The above temperature shall be measured of the top of switch. There are cases where the PC board's temperature greatly differs from that of the switch, depending on the material, size, thickness of PC boards and others. 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.

Conditions for Auto-dip

Available for Snap-in Type and Radial Type

(Except SKHJ, SKHL, SKQJ, SKQK, SKEG series)

Items	Condition
Flux built-up	Mounting surface should not be exposed to fluk
Preheating temperature	Ambient temperature of the soldered surface of PC board. 100℃ max.
Preheating time	60s max.
Soldering temperature	260℃ max.
Duration of immersion	5s max.
Number of soldering	2times max.

Manual Soldering (Except SKRT Series)

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

Notes

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 is stable with normal temperature.
5. Use the flux with a specific gravity of min 0.81.
   (EC-19S-8 by TAMURA Corporation, or equivalents.)