TACT Switch™ 6 × 3.5mm Compact (Surface Mount Type)

SKQM Series



Tall height (4.3mm and 5.0mm) and surface mount type.



Detector

Push

Slide

Rotary

Encoders

Power

Dual-in-line

Package Type

TACT Switch™

Custom-Products

Product Line

Product No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Rating (min.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Stem height	Minimum order unit (pcs.)
SKQMBAE010	0.98N	Vertical	0.25	50mA 12V DC	10 <i>μ</i> Α 3 1V DC	50,000cycles	500mΩ max.	Black	h=4.3mm	- 2,000
SKQMASE010	1.57N									
SKQMAQE010	2.55N					30,000cycles		Red		
SKQMATE010	0.98N					50,000cycles		Black	h=5mm	
SKQMBBE010	1.57N									
SKQMARE010	2.55N					30,000cycles		Red		

Packing Specifications

Taping	Unit:mm
Reel size	
ø380	13.5

Numbe	er of package	Tape	Export package	
1 reel	1 case /Japan	1 case /export packing	width (mm)	measurements (mm)
2,000	20,000	20,000	12	401×401×214

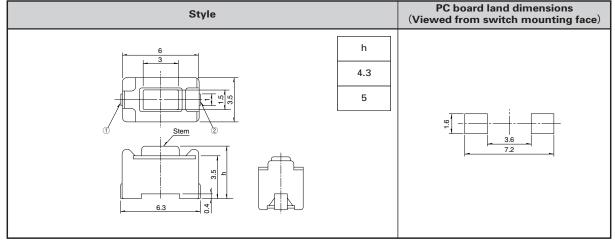
Sharp Feeling Soft Feeling Snap-in

Type Surface

Mount Type Radial

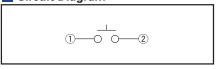
Type

Dimensions	Unit:mm





Circuit Diagram



Notes

- 1. Please place purchase orders per minimum order unit N (integer).
- 2. For ϕ 330mm diameter reel requirements, please contact us.

Refer to P.334 for soldering conditions.

List of Varieties

Sharp Feeling Type

6.2 6.5 3.1						
6.2						
6.2						
6.2						
6.5						
6.5						
6.5						
3.1						
1						
0.25						
•						
100MΩ min. 100V DC						
C for 1min. 250V AC for 1min.						
−30±2°C for 96h						
80±2℃ for 96h						
315						

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.

TACT Switch™ Soldering Conditions
 TACT Switch™ Cautions
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Product Line of Knobs for TACT Switch™336

Notes

- 1. The automotive operating temperature range to be individually discussed upon request.
- Omarks in "Available for automotive use" indicate that some of the series products can work at the operating temperature range from -40°C to +85°C, ●marks in "Available for automotive use" indicate that all of the series products can work at the operating temperature range from -40°C to +85°C.

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Feeling Soft **Feeling** Snap-in Туре Surface **Mount Type**

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Custom-

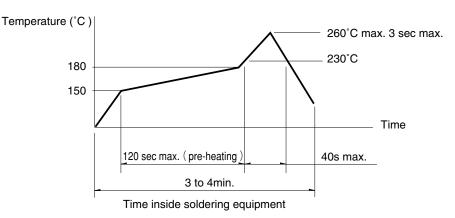
Products

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 0.2ϕ 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, 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°C max.
Preheating time	60s max.
Soldering temperature	260°C max.
Duration of immersion	5s max.
Number of soldering	2times max.

■ Manual Soldering (Except SKRT Series)

Condition
350°C max.
3s max.
60W max.

Sharp Feeling
Soft Feeling
Snap-in Type
Surface Mount Type
Radial Type

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.)