Part number SKUJAAE010 **8.0mm Square Double Action Type (Surface Mount) SKUJ Series**

Automotive

Standard

Basic information



+ ZOOM

Type	Surface mount
Operating force	1st 3.8N, 2nd 6.4N
Operating direction	Top push
Travel	1st 0.35mm, All 0.6mm
Product height	4.0mm
Operating life	100,000 cycles
Initial contact resistance	500mΩ max.
Dimensions(W×D×H)	8.0×8.0×4.0

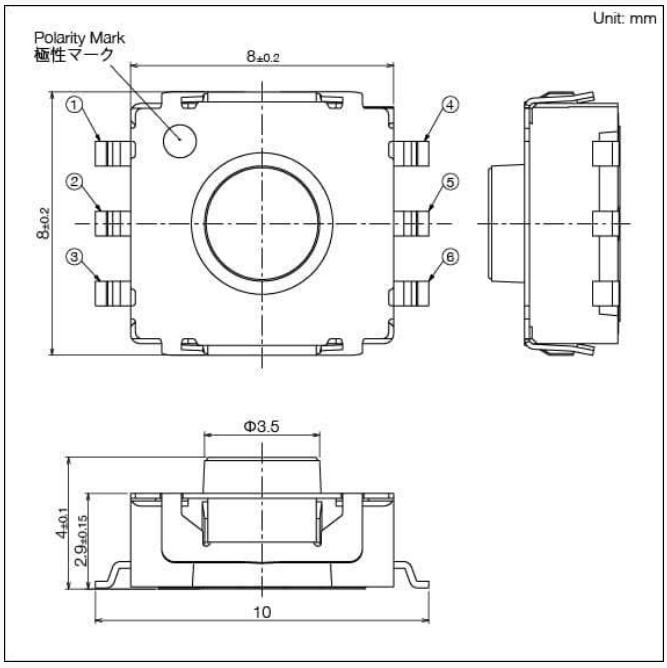
Specifications

Series type		Sharp feeling type
Operating temperature range		-40˚C to +90˚C
Absolute Maximum Ratings		50mA 16V DC
Rating (min.)		10μA 1V DC
Electrical performance	**Insulation resistance**	100MΩ min. 100V DC for 1 min.
	Voltage proof	250V 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**	-40˚C 1000h
	Dry heat	90˚C 1000h
	Damp heat	60˚C, 90 to 95%RH 1000h
Minimum order unit(pcs.)	**Japan**	1,300
	Export	1,300

Selection Guide PDF
A definitive selection guide covering comprehensive information on TACT Switch™
View PDF ···›

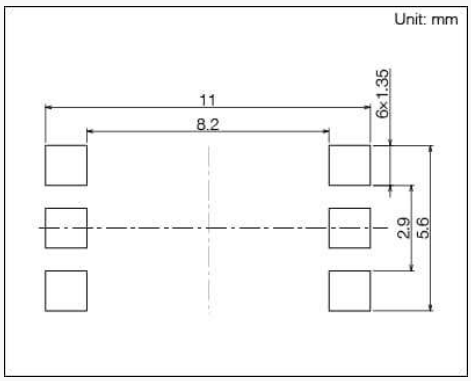
How to Prevent TACT Switch™ Failure
Pre-Use Checklist
click here ···›

Dimensions



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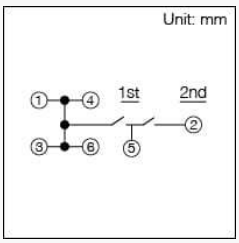
Land Dimensions



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Viewed from switch mounting face

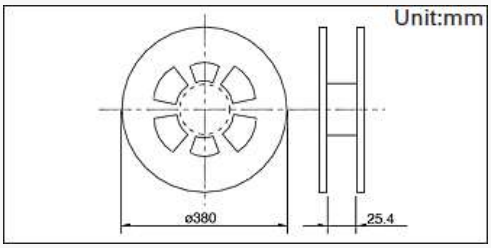
Circuit Diagram



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Packing Specifications

Taping



Number of packages (pcs.)	
1 reel	1,300
1 case / Japan	7,800
1 case / export packing	7,800

Tape width (mm)
24

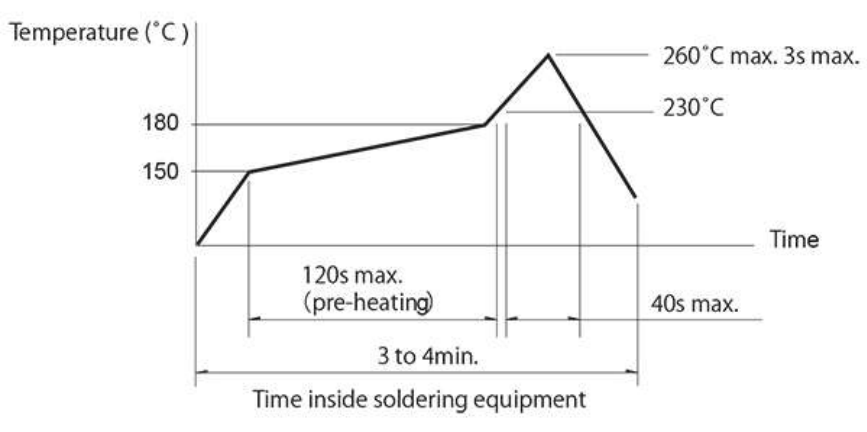
Export package measurements (mm)

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.

4. Allowable soldering time : 2 times Max.

Manual Soldering

Soldering temperature
350˚C max.

Duration of soldering
3s max.

Capacity of soldering iron
60W max.

1. Do not washing the TACT Switch™.
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.

Members-Only Content

SKUJAAE010

Product Drawing

File format: PDF

Product Material List

File format: PDF

F-S Curve

File format: PDF

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).