



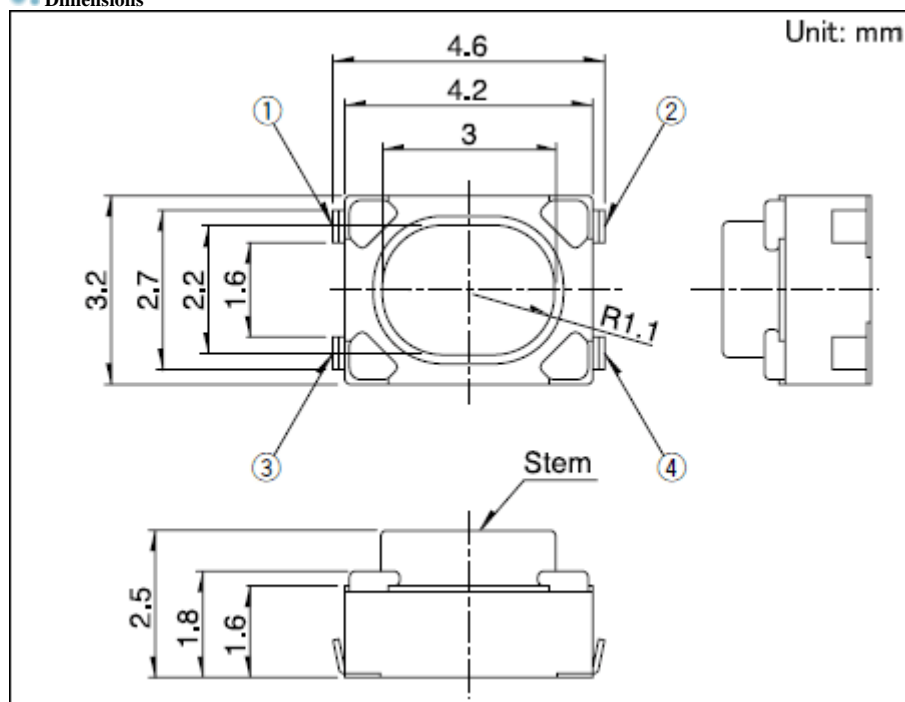
ALPS Manufacturer of Electronic Components/Parts Catalog

4.2×3.2mm Compact High Operating Force TACT Switch™ (Surface Mount) SKRP Series

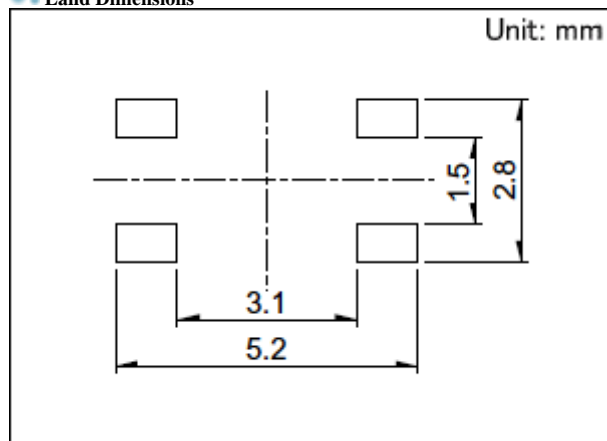
● ● Detail

Part number		SKRPABE010
Type		Surface mount
Operating force		1.57N
Operating direction		Vertical
Travel		0.2mm
Operating life (5mA 5V DC)		100,000 cycles
Initial contact resistance		500mΩ max.
Stem color		Natural
Minimum order unit (pcs.)		4,000
Series type		Sharp feeling type
Operating temperature range		-30□ to +85□
Rating (max.)		50mA 16V DC
Rating (min.)		10μA 1V DC
Electrical performance	Insulation resistance	100MΩ min. 100V DC
	Voltage proof	250V AC for 1 minute
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

•• Dimensions

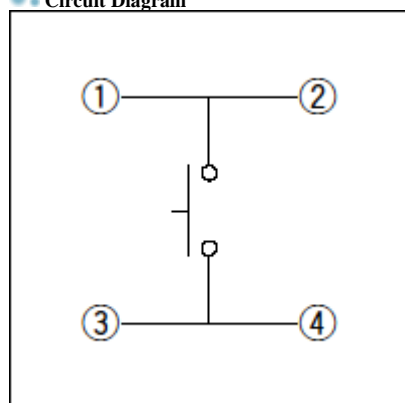


•• Land Dimensions



Viewed from mounting face.

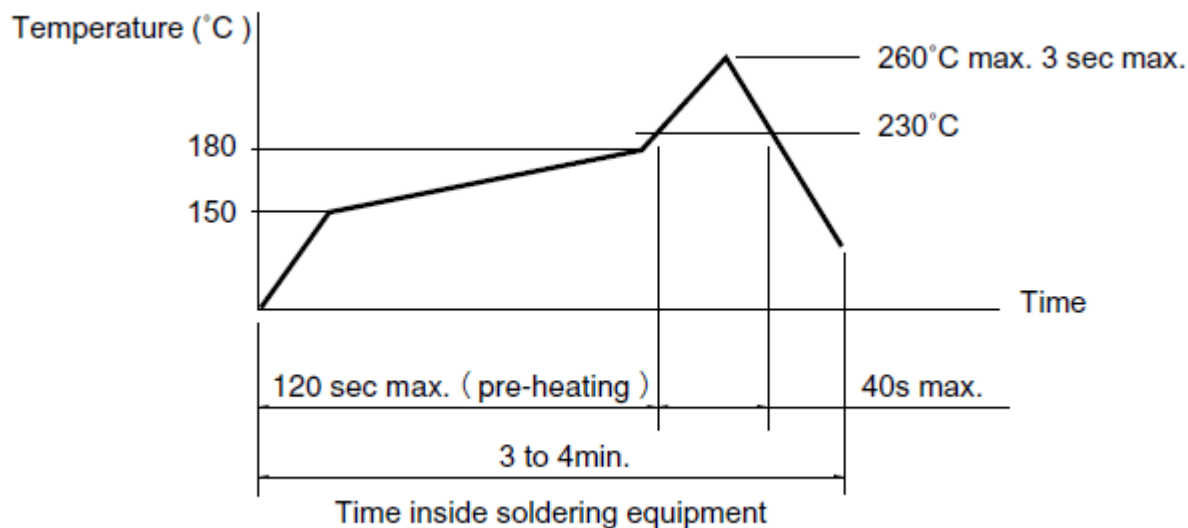
•• Circuit Diagram



• 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 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 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.



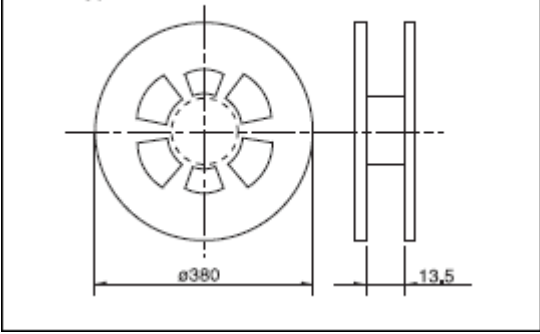
Manual Soldering

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.

●● Taping Specifications

Taping Packaging for Auto-insertion

Reel Size	<div> <div> Plastic Reel </div> <div> Unit: mm </div>  </div>
Number of Packages 1 reel	4,000
Number of Packages 1 case / Japan	40,000
Number of Packages 1 case / export packing	40,000
Reel Width W (mm)	13.5
Qty/reel (pcs.) (Minimum packing unit)	4,000
Tape width (mm)	12

>> 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. Please place purchase orders for taping products per minimum order unit (1 reel or a case).
3. For $\phi 330$ mm diameter reel requirements, please contact us.
4. This products can be used in vehicles.
Although these products are designed to perform over a wide operating temperature range, please ensure that you receive and read the formal delivery specifications before use.



Inquiries about Products

For more information please contact: Products Information Center.

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