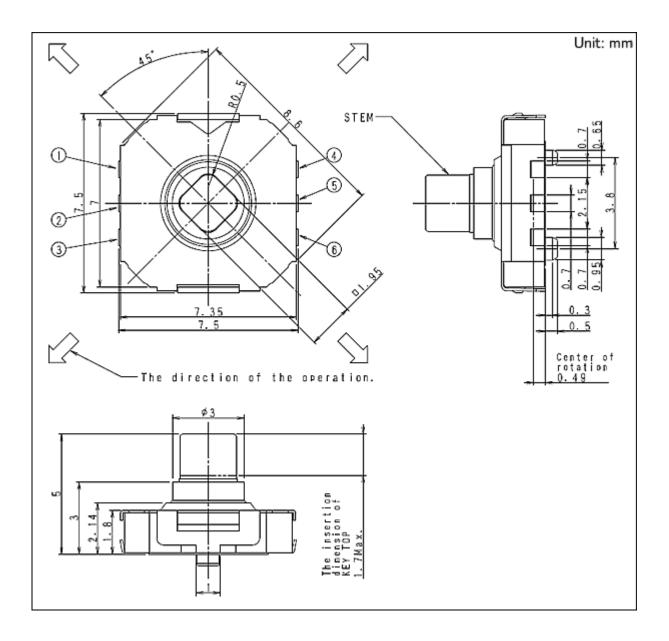
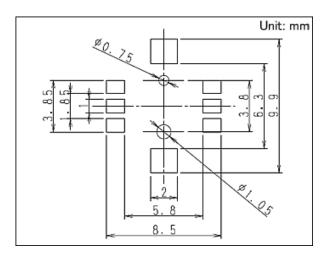
Part number			SKRHABE010		
Туре			Surface mount		
Operating force	4-direct	ion	1.23N		
	Center	push	2.35N		
Travel	4-direct	ion	0.25mm		
	Center	push	0.15mm		
Operating life (5mA 5V DC)			200,000 cycles for each direction		
Initial contact resis	stance		500mΩ max.		
Stem color			Black		
Guide bosses			With		
Operating temperature range			-40℃ to +85℃		
Ratings (max.)/(m	in.) (Resistive load)		50mA 12V DC/10μA 1V DC		
Electrical	Directional resolution		4-direction		
performance	Insulation resistance		100MΩ min. 100V DC		
	Voltage proof		100V AC for 1 minute		
Mechanical performance	Directional operating force		1.23±0.69N		
	Push operating force		2.35±0.69N		
	Actuator strength	Operating direction			
Durability	Operating life Center push		200,000 cycles		

Environmental performance	Cold		-40±2℃ for 96h			
	Dry heat		90±2℃ for 96h			
	Damp heat		60±2℃, 90 to 95%RH for 96h			
Minimum order unit (pcs.)		Japan	1,300	_		
		Export	1,300	_		
3D CAD (STEP)			0)		
Certificate of Compliance to RoHS regulations						

Dimensions

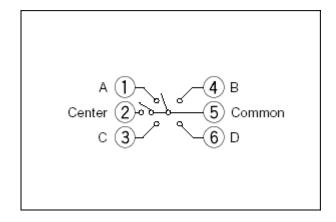


Land Dimensions



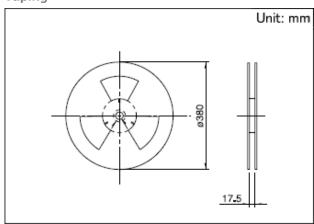
Viewed from mounting face

Circuit Diagram



Packing Specifications

Taping



Number of package (pcs.)	s 1 reel	1,300
	1 case / Japan	10,400
	1 case / export packing	10,400
Tape width (mm)		16
Export package measurements (mm)		

Soldering Condition

Example of Reflow Soldering Condition

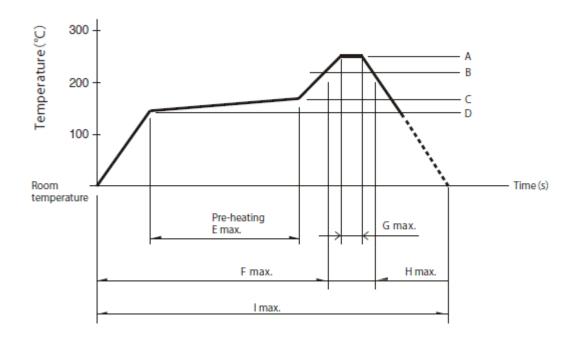
1. Heating method:

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 to fix thermocouple.

3. Temperature profile



А	В	С	D	Е	F G	Н	I No. of reflows
260°C	230°C	180°C	150°C	2 min.		40s	- 1 time

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

Reference for Hand Soldering

Tip temperature	350±5°C
Soldering time	3s max.
No. of solders	1 time