

## Products Specifications

Items	Series	Sharp feeling type	Soft feeling type
Operating temperature range	-20°C to +70°C		
Rating (max.)	50mA 12V DC (Except) SKRP : 50mA 16V DC		5mA 12V DC SKPL/PM/PN : 50mA 16V DC
Rating (min.)	10 $\mu$ A 1V DC		
Electrical performance	Insulation resistance	100M $\Omega$ SKEY/PD : 50M $\Omega$	
	Voltage proof	250V AC for 1 min. SKRB/RH/RM/RR/EY/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 2 hours respectively	
	Lifetime	Shall be in accordance with individual specifications.	
Environmental performance	Cold	-30 $\pm$ 2°C for 96h	
	Dry heat	80 $\pm$ 2°C for 96h	
	Damp heat	60 $\pm$ 2°C, 90 to 95%RH for 96h	

### Note

We can raise the working temperature range for in-vehicle applications upon request. Contact us if you have any requirements of this kind.

### Specifications of LED (SKHJ)

Color of light	Power dissipation P (mW)	Forward pulse peak current IFP (mA)	Forward current IFDC (mA)	Reverse voltage VR (V)	Forward voltage VF (V) IF=10mA	Reverse current IR ( $\mu$ A) VR=4V	Peak emission wave length $\lambda$ peak (nm) IF=10mA	Spectral line half width $\Delta \lambda$ (nm) IF=10mA	Luminous intensity IV (mcd) IF=10mA	
Red	40	80	15	4	2.7 max. 2.05 TYP	5 max.	700 TYP	100 TYP	0.4 min. 1.0 TYP	
Pure green						10 max.	555 TYP	20 TYP	0.8 min. 2.0 TYP	
Amber				3	2.7 max. 2.0 TYP		590 TYP	30 TYP	0.4 min. 1.0 TYP	
Orange (High brightness)							630 TYP	40 TYP	1.5 min. 4.0 TYP	
Green (High brightness)				4	2.7 max. 2.05 TYP		565 TYP	30 TYP	2.0 min. 5.0 TYP	

Power

Push

Slide

Rotary

Encoders

Jog Shuttle

Telephone -hook

Detector

Vibration/  
Tilt SensorsDual-in-line  
Package TypeMulti Control  
Devices

TACT

Sharp Feeling

Soft Feeling

Snap-in Type

Surface Mount Type

Radial Type

# 4.5mm Square Type TACT Switch

SKHR Series

Compact snap-in type suitable for high density mounting.



Lead Free

## Features

- Permits high density mounting on a PC board.
- Snap-in type, can be mounted directly on a PC board.
- Some of output terminals can be also used as jumper leads, thus making circuit arrangement easy.

## Applications

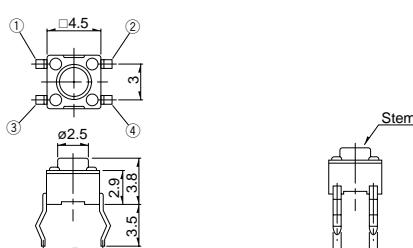
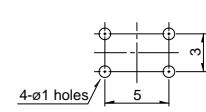
- Operating switches in all types of electronic equipment such as audio equipment, office equipment, communication devices, measuring instruments, TV sets, VCRs, etc.

## Products Line

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Minimum packing unit (pcs.)
SKHRAAA010	0.98N	Vertical	0.25	50mA 12V DC	50,000cycles	100mΩ max.	Black	1,000
SKHRABA010	1.57N				30,000cycles		Dark gray	
SKHRAHA010	2.55N				50,000cycles		Red	

## Dimensions

Unit : mm

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

## Circuit Diagram



## Note

Using a 1.6mm thick PC board is recommended.

For detailed specifications, see P.395  
For soldering conditions, see P.396

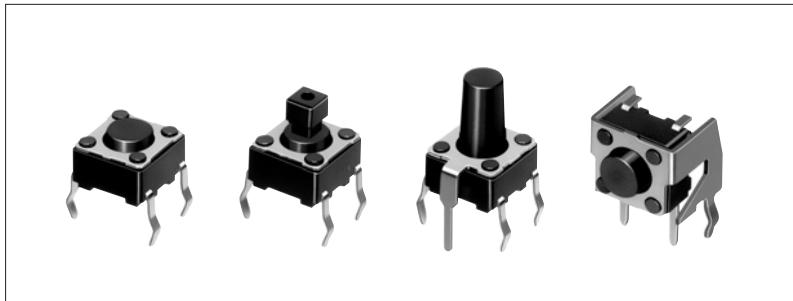
# 6mm Square Type TACT Switch

SKHH Series

Easy to use 6mm square switches are available in wide varieties.

Power
Push
Slide
Rotary
Encoders
Jog Shuttle
Telephone -hook
Detector
Vibration/ Tilt Sensors
Dual-in-line Package Type
Multi Control Devices

## TACT



Lead Free



Car Use

### Features

- Snap-in type, can be mounted directly on a PC board.
- Some of output terminals can be also used as jumper leads, thus making circuit arrangement easy.
- Available with anti-ESD ground terminal.
- Although the recommended PC board thickness is 1.6mm, the models which can be mounted on PC boards of thickness 0.8 to 1mm are also available upon request.
- Standard knobs are available. (P.400).

### Applications

- Operating switches in all types of electronic equipment such as audio equipment, office equipment, communication devices, measuring instruments, TV sets, VCRs, etc.

### Products Line

Vertical Type

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Stem height	Minimum packing unit (pcs.)	Drawing No.	
Sharp Feeling	SKHHAJA010	0.98N	Vertical	0.25	50mA 12V DC	1,000,000cycles	100mΩ max.	Black	h=4.3mm	1,000	
	SKHHAL010	1.57N				500,000cycles		Dark gray			
	SKHHAQA010	2.55N				200,000cycles		Red			
	SKHHAKA010	0.98N				1,000,000cycles		Black	h=5mm		
	SKHHAMA010	1.57N				500,000cycles		Dark gray			
	SKHHARA010	2.55N				200,000cycles		Red			
	SKHHCQA010	3.53N				1,000,000cycles		Orange			
	SKHHCRA010	5.10N				500,000cycles		Yellow			
	SKHHBVA010	0.98N				1,000,000cycles		Black	h=7mm		
	SKHHBWA010	1.57N				500,000cycles		Dark gray			
Soft Feeling	SKHHBYA010	2.55N				200,000cycles		Red			
	SKHHANA010	0.98N				1,000,000cycles		Black	h=9.5mm	1	
	SKHHAPA010	1.57N				500,000cycles		Dark gray			
	SKHHBSA010	2.55N				200,000cycles		Red			
	SKHHDTA010	0.98N				1,000,000cycles		Black	h=13mm		
	SKHHDUA010	1.57N				500,000cycles		Dark gray			
	SKHHDHA010	0.98N				200,000cycles		Black			
	SKHHDJA010	1.57N				1,000,000cycles		Dark gray			
						500,000cycles		Black	h=17mm		
						300,000cycles		Dark gray			

For detailed specifications, see P.395

For soldering conditions, see P.396

For standard knobs, see P.400

## Products Line

## Joint Stem Type

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Stem height	Minimum packing unit(pcs.)	Drawing No.
SKHHCWA010	0.98N	Vertical	0.25	50mA 12V DC	1,000,000cycles	100mΩ max.	Black	h=7.3mm	1,000	2
SKHHDAA010	1.57N				500,000cycles		Dark gray			
SKHHDGA010	2.55N				200,000cycles		Red			

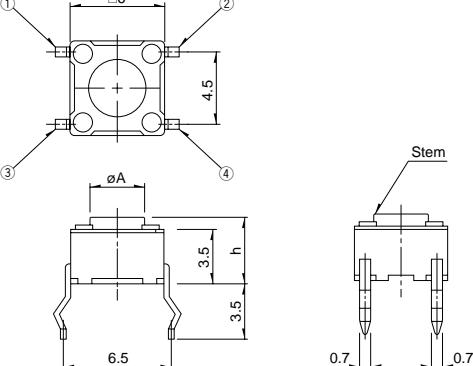
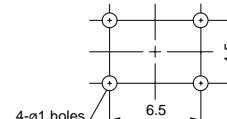
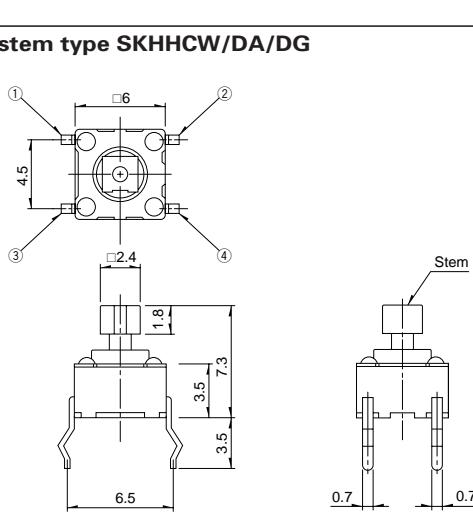
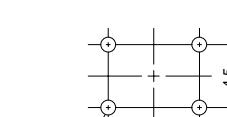
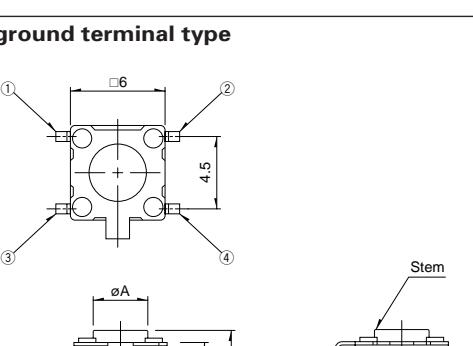
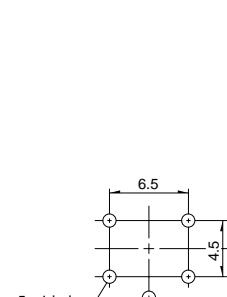
## With Ground Terminal Type

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Stem height	Minimum packing unit(pcs.)	Drawing No.		
SKHHPJA010	0.98N	Vertical	0.25	50mA 12V DC	1,000,000cycles	100mΩ max.	Black	h=4.3mm	1,000	3		
SKHHPLA010	1.57N				500,000cycles		Dark gray					
SKHHPQA010	2.55N				200,000cycles		Red					
SKHHPKA010	0.98N				1,000,000cycles		Black	h=5mm				
SKHHPMA010	1.57N				500,000cycles		Dark gray					
SKHHPRA010	2.55N				200,000cycles		Red					
SKHHQVA010	0.98N				1,000,000cycles		Black	h=7mm				
SKHHQWA010	1.57N				500,000cycles		Dark gray					
SKHHQYA010	2.55N				200,000cycles		Red					
SKHHPNA010	0.98N				1,000,000cycles		Black	h=9.5mm				
SKHHPPA010	1.57N				500,000cycles		Dark gray					
SKHHQNA010	2.55N				200,000cycles		Red					

## Horizontal Type

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Stem length	Minimum packing unit(pcs.)	Drawing No.		
SKHHLMA010	0.98N	Horizontal	0.25	50mA 12V DC	1,000,000cycles	100mΩ max.	Black	ℓ =3.85mm	1,000	4		
SKHHLNA010	1.57N				500,000cycles		Dark gray					
SKHHLPA010	2.55N				200,000cycles		Red					
SKHHLQA010	0.98N				1,000,000cycles		Black	ℓ =8.35mm				
SKHHLRA010	1.57N				500,000cycles		Dark gray					
SKHHLSA010	2.55N				200,000cycles		Red					
SKHHLUA010	0.98N				1,000,000cycles		Black	ℓ =5.85mm				
SKHHLVA010	1.57N				500,000cycles		Dark gray					
SKHHLWA010	2.55N				200,000cycles		Red					
SKHHNHA010	0.98N				500,000cycles		Black	ℓ =15.85mm				
SKHHNJA010	1.57N				300,000cycles		Dark gray					
SKHHNKA010	2.55N				200,000cycles		Red					

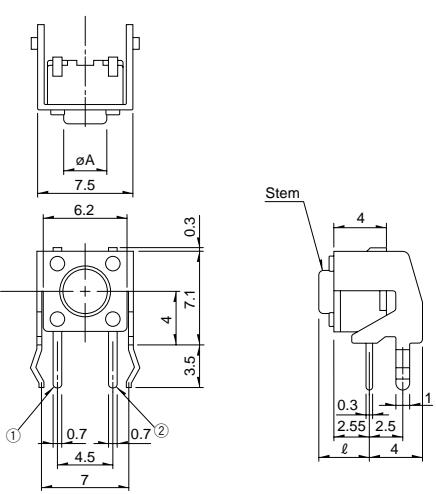
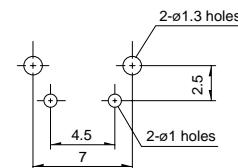
## Dimensions

No.	Style	PC board mounting hole dimensions (Viewed from switch mounting face)													
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h	A														
4.3	3.5														
5	3.5														
7	3.3														
9.5	3														
13	3														
17	3														
2	<b>Joint stem type SKHHCW/DA/DG</b>  <table border="1"> <thead> <tr> <th>h</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>4.3</td> <td>3.5</td> </tr> <tr> <td>5</td> <td>3.5</td> </tr> <tr> <td>7</td> <td>3.3</td> </tr> <tr> <td>9.5</td> <td>3</td> </tr> </tbody> </table> 	h	A	4.3	3.5	5	3.5	7	3.3	9.5	3				
h	A														
4.3	3.5														
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7	3.3														
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3	<b>With ground terminal type</b>  <table border="1"> <thead> <tr> <th>h</th> <th>A</th> </tr> </thead> <tbody> <tr> <td>4.3</td> <td>3.5</td> </tr> <tr> <td>5</td> <td>3.5</td> </tr> <tr> <td>7</td> <td>3.3</td> </tr> <tr> <td>9.5</td> <td>3</td> </tr> </tbody> </table> 	h	A	4.3	3.5	5	3.5	7	3.3	9.5	3				
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4.3	3.5														
5	3.5														
7	3.3														
9.5	3														

## Dimensions

Unit : mm

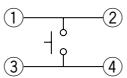
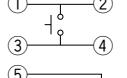
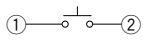
No.	Style	PC board mounting hole dimensions (Viewed from switch mounting face)	
		$\ell$	A
4	Horizontal type	3.85	3.5
		5.85	3.3
		8.35	3
		15.85	3

## Note

Using a 1.6mm thick PC board is recommended.

## Circuit Diagram

Vertical type/Joint stem type	With ground terminal type	Horizontal type
		

Power

Push

Slide

Rotary

Encoders

Jog  
ShuttleTelephone  
-hook

Detector

Vibration/  
Tilt SensorsDual-in-line  
Package TypeMulti Control  
Devices

TACT

Sharp  
FeelingSoft  
FeelingSnap-in  
TypeSurface  
Mount TypeRadial  
Type

# 6.2×6.5mm Square Type TACT Switch

SKHU Series

Surface mounting type for high density mounting and available in wide varieties, including a dust-proof type.



Lead Free



Car Use

## Features

- Dimensions: 6.2 x 6.5mm and a 2.5 to 3.1mm height.  
Good for high density mounting.
- Reflow solderable.
- Available with anti-ESD ground terminal.
- Packaged with a 12mm wide embossed taping.
- Dust-proof type is also available.

## Applications

- Operating switches in all types of electronic equipment such as audio equipment, office equipment, communication devices, measuring instruments, TV sets, VCRs, etc.

Power

Push

Slide

Rotary

Encoders

Jog  
Shuttle

Telephone  
-hook

Detector

Vibration/  
Tilt Sensors

Dual-in-line  
Package Type

Multi Control  
Devices

TACT

Sharp  
Feeling

Soft  
Feeling

Snap-in  
Type

Surface  
Mount Type

Radial  
Type

## Products Line

Vertical Type

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Stem height	Drawing No.
SKHUADE010	0.98N	Vertical	0.25	50mA 12V DC	300,000cycles	100mΩ max.	Green	h=2.5mm	1
SKHUADE010	1.57N						Brown		
SKHUADE010	2.55N				100,000cycles		Red		

## With Ground Terminal Type

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Stem height	Drawing No.
SKHUPBE010	0.98N	Vertical	0.25	50mA 12V DC	300,000cycles	100mΩ max.	Green	h=2.5mm	2
SKHUPDE010	1.57N						Brown		
SKHUPFE010	2.55N				100,000cycles		Red		

## Dust-proof Type

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Stem height	Drawing No.
SKHUBBE010	1.57N	Vertical	0.25	50mA 12V DC	50,000cycles	100mΩ max.	Brown	h=3.1mm	3

## Dust-proof and With Ground Terminal Type

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Stem height	Drawing No.
SKHUQBE010	1.57N	Vertical	0.25	50mA 12V DC	50,000cycles	100mΩ max.	Brown	h=3.1mm	4
SKHUQEE010	2.55N						Red		

Power  
Push  
Slide  
Rotary  
Encoders  
Jog Shuttle  
Telephone -hook  
Detector  
Vibration/ Tilt Sensors  
Dual-in-line Package Type  
Multi Control Devices

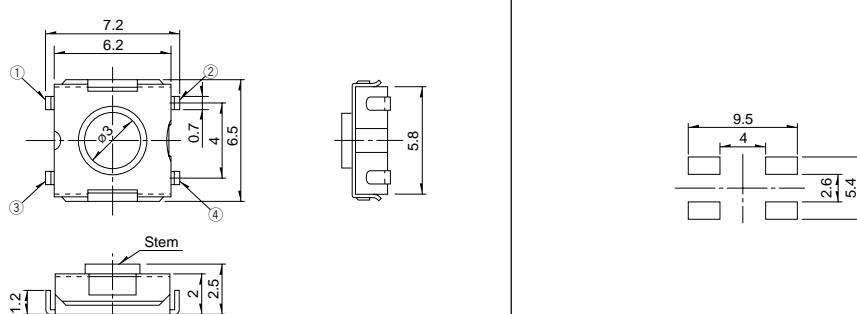
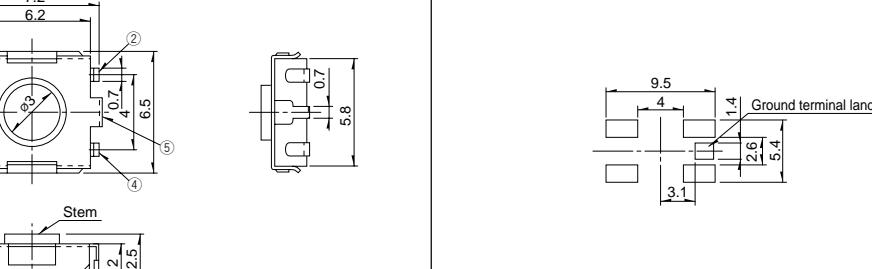
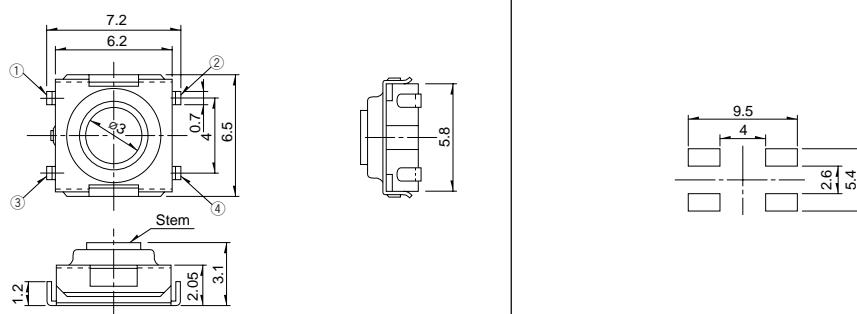
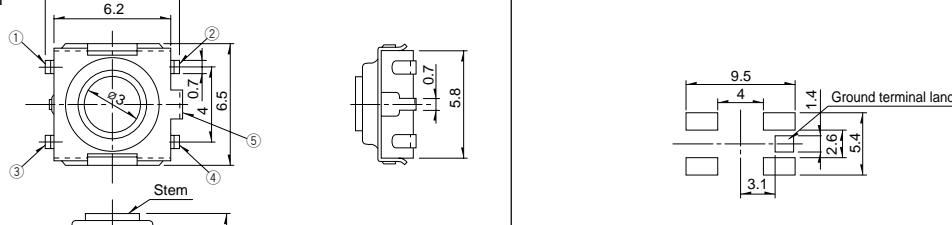
## TACT

Sharp Feeling  
Soft Feeling  
Snap-in Type

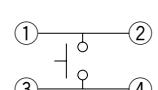
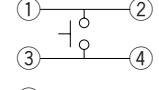
Surface Mount Type  
Radial Type

## Dimensions

Unit : mm

No.	Style	PC board land dimensions (Viewed from switch mounting face)
1	Vertical type	
2	With ground terminal type	
3	Dust-proof type	
4	Dust-proof and with ground terminal type	

## Circuit Diagram

Vertical type	With ground terminal type
	

For detailed specifications, see P.395

For soldering conditions, see P.396

For specifications for the taping package, see P.398

# 12mm Square Long Stem Type TACT Switch

SKHK Series

Long stem type with height of 12mm for a stable operational feel.



Lead Free

## Features

- Stem height: 12mm.
- Snap-in type, can be mounted directly on PC board.
- Some of output terminals can be also used as jumper leads, thus making circuit arrangement easy.

## Applications

- All types of electronic control systems in audio products, business machines, communication equipment, measuring instruments, TV sets, VCRs, etc.

Power

Push

Slide

Rotary

Encoders

Jog  
Shuttle

Telephone  
-hook

Detector

Vibration/  
Tilt Sensors

Dual-in-line  
Package Type

Multi Control  
Devices

TACT

## Products Line

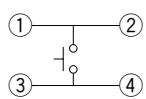
Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Minimum packing unit (pcs.)
SKHKAAA010	1.27N	Vertical	0.3	50mA 12V DC	500,000 cycles	100mΩ max.	Light gray	1,000

## Dimensions

Unit : mm

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

## Circuit Diagram



## Note

Using a 1.6mm thick PC board is recommended.

For detailed specifications, see P.395  
For soldering conditions, see P.396

Sharp  
Feeling

Soft  
Feeling

Snap-in  
Type

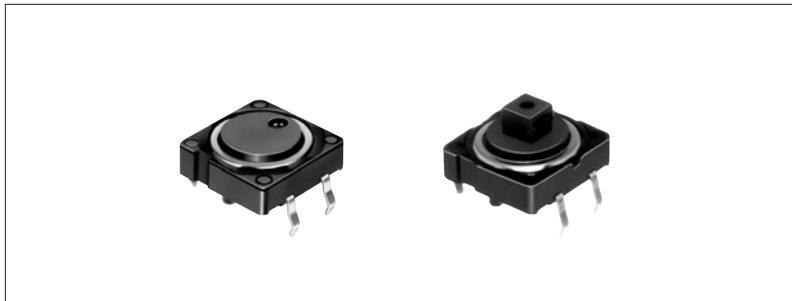
Surface  
Mount Type

Radial  
Type

# 12mm Square Type TACT Switch

SKHC Series

Two models with stable operational joints and a flat stem.



Lead Free

## Features

- Snap-in type, can be mounted directly on a PC board.
- Some of output terminals can be also used as jumper leads, thus making circuit arrangement easy.
- Standard knobs are available. (P.400).

## Applications

- All types of audio products, business machines, communication equipment, measuring instruments, TV sets, VCRs, etc.

## Products Line

Products No.	Operating force	Operating direction	Travel (mm)	Rating (max.)	Operating life (5mA 5V DC)	Initial contact resistance	Stem color	Variety	Minimum packing unit (pcs.)	Drawing No.		
SKHCAEA010	0.74N	Vertical	0.3	50mA 12V DC	500,000cycles	100mΩ max.	Blue	Joint stem	1,000	1		
SKHCAAA010	1.27N				1,000,000cycles		Black					
SKHCACA010	2.55N				500,000cycles		Dark gray					
SKHCAFA010	0.74N				500,000cycles		Blue	Flat stem				
SKHCABA010	1.27N				1,000,000cycles		Black					
SKHCADA010	2.55N				500,000cycles		Dark gray					

Power

Push

Slide

Rotary

Encoders

Jog Shuttle

Telephone -hook

Detector

Vibration/ Tilt Sensors

Dual-in-line Package Type

Multi Control Devices

TACT

Sharp Feeling

Soft Feeling

Snap-in Type

Surface Mount Type

Radial Type

For detailed specifications, see P.395

For soldering conditions, see P.396

For standard knobs, see P.400

## Dimensions

Unit : mm

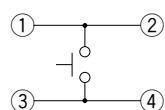
Power  
Push  
Slide  
Rotary  
Encoders  
Jog Shuttle  
Telephone -hook  
Detector  
Vibration/  
Tilt Sensors  
Dual-in-line  
Package Type  
Multi Control  
Devices

**TACT**

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

No.	Style	PC board mounting hole dimensions (Viewed from switch mounting face)
1	<b>Joint stem type</b>  	
2	<b>Flat stem type</b>  	

## Circuit Diagram



## Note

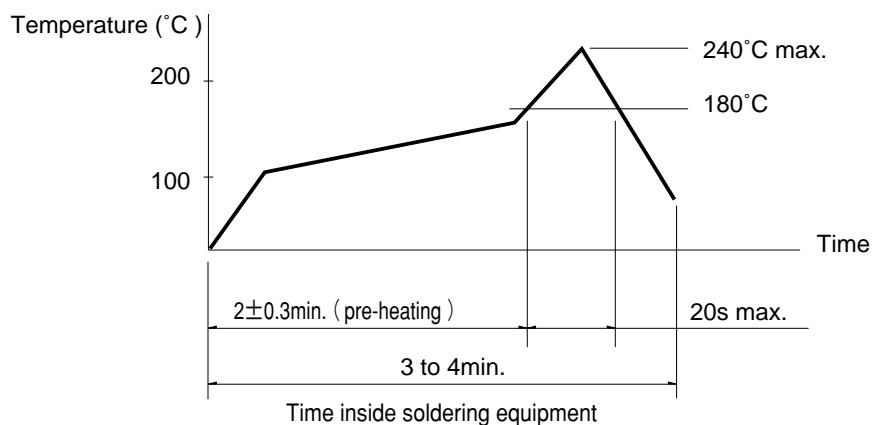
Using a 1.6mm thick PC board is recommended.

## Soldering Conditions

### Condition for Reflow

Available for Surface Mount Type. (Except SKHM Series)

1. Heating method: Double heating method with infrared heater.
2. Temperature measurement: Thermocouple 0.1 to 0.2  $\phi$  CA (K) or CC (T) at soldering portion (copper foil surface). A heat resisting tape should be used for fixed measurement.
3. Temperature profile



### Notes

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. Care should be taken to prevent the switch's surface temperature from exceeding 260°C. (Except a part of Variety SKRM, SKRR Series)
2. Soldering conditions differ depending on reflow soldering machines. You are requested to verify the soldering conditions thoroughly beforehand.
3. Ask us for the specifications of lead-free products.

### Conditions for Auto-dip

Available for Snap-in Type and Radial Type

Items	Condition
Flux built-up	Mounting surface should not be coated with flux
Preheating temperature	Ambient temperature of the soldered surface of PC board. 100°C max.
Preheating time	45s max.
Soldering temperature	255°C max.
Continuous dipping time	5s max.
Number of soldering	2times max.

### Manual Soldering

Available for Manual Soldering Type

Items	Condition
Soldering temperature	350°C max.
Continuous soldering time	3s max.

### Notes

1. Consult with us for TACT switch washing conditions.
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.
5. Use the flux with a specific gravity of at least 0.83.  
(MH-820V or CF220V by TAMURA Corporation, or their equivalents.)

## Specification of Embossed Taping Package

### Taping Packaging for Auto-insertion

Reel Size	Unit : mm	
	Applicable series	W
Power	SKHM, SKHU, SKQG SKQL, SKQM, SKQR SKQY, SKRB, SKRE SKRAAA, SKRAAB	12.4
	SKQT, SKRH SKRAAC, SKRAAF SKPG, SKPN	16.4
	SKQUBA, SKQUDB	32.4
Push	SKRK, SKRM SKRN, SKRP SKRT, SKPM	13.5
	SKRR	17.5
Slide		
Rotary		
Encoders		
Jog Shuttle		
Telephone -hook		
Detector		
Vibration/ Tilt Sensors		
Dual-in-line Package Type		
Multi Control Devices		
TACT		
Sharp Feeling		
Soft Feeling		
Snap-in Type		
Surface Mount Type		
Radial Type		

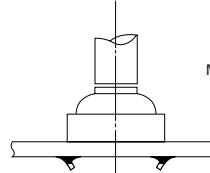
Applicable series	Qty / reel (pcs.) (Minimum packing unit)	Tape dimensions
SKQM, SKPMAM SKPMAN, SKPMAP SKPMAQ	2,000	
SKPMAR, SKPMAS SKPMAT	2,500	
SKHM, SKHU SKQY, SKRT SKRAAA, SKRAAB	3,000	
SKQG	5,000 (Without stem type) 4,000 (With stem type)	
SKRP	4,000	
SKRKAЕ, SKRKAH	4,500	
SKQR, SKRB, SKRM	10,000	
SKRE, SKRN, SKRKAG	5,000	
SKQL	3,000	
SKPG	1,200	
SKRH	1,300	
SKRAAC, SKRAAF	1,400	
SKQT	3,000	
SKRR	7,000	
SKPN	1,100	
SKQUBA	750	
SKQUDB	600	

### Note

Consult with us for a  $\phi 330$  mm diameter reel.

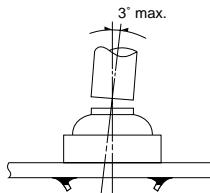
## Caution

1. Note that terminals might suffer deformation of the switch and the defects in electrical performance, if the load is applied to the terminals during soldering .
2. If you use a through-hole PC board or a PC board thinner or thicker than the recommendation, here may be greater heat stress. Verify the soldering conditions thoroughly before use.
3. When soldering twice, wait until the first soldered portion cools to normal temperature. Continuous heating will deform the external portions, loosen or dislodge terminals, or may deteriorate their electrical characteristics.
4. Verify soldering conditions under actual mass production conditions.
5. This product is designed and manufactured assuming that it is to be used with the resistance for direct current. If you use other kinds of resistance [inductive (L) or capacitive (C) ], consult with us beforehand.
6. For the sizes of holes and patterns on a PC board for mounting a switch, refer to the recommended dimensions in the outline drawings.
7. This switch is designed for manually operated units. Do not use this switch in a mechanical detection unit. For detection purposes, please use our detection switch.
8. The switch will be break if you apply a greater stress than that specified. Take great care not to let the switch be subject to greater stress than specified.
9. Do not press the side of the stem.
10. Be sure to push the center position of a flat stem switch. Extreme care is required for a hinge structure type because the stem press position moves when it is pressed.
11. If you put the board with the switch in the oven so as to harden adhesive for other parts, consult with us.
12. When corrosive gas is generated by a peripheral material of a product using the TACT switch, malfunctions such as imperfect contacts can occur. Check this point thoroughly in advance.
13. The contact resistance of a rubber contact type changes depending on pressure load. Confirm that it functions sufficiently when you use this TACT switch with a voltage divider circuit.
14. Be aware of dust intrusion into an unsealed-type TACT switch.
15. Storage methods
  - ① If you do not use the product immediately, store it just as delivered in the following environment: with neither direct sunshine nor corrosive gas and in normal temperatures. However, it is recommended that you should use it as soon as possible or within six months from the date of delivery at the most.
  - ② After you break the seal, you should put the remainder in a plastic bag to shut out outside air, and store it in the same environment mentioned above. You should use it up as soon as possible.
  - ③ Do not stack too many switches for safety.
  - ④ Store the key switches with the switch in the released position.
16. Design the rubber dome key section in SKEY and SKPD Series as illustrated below:



Make the head of the key section flat and cylindrical.

17. Design the inclination of the rubber dome key section in SKEY and SKPD Series within the angle shown below:



Power

Push

Slide

Rotary

Encoders

Jog Shuttle

Telephone -hook

Detector

Vibration/ Tilt Sensors

Dual-in-line Package Type

Multi Control Devices

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Soft Feeling

Snap-in Type

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Radial Type