List of Varieties

Se	eries	SKRW	SKRM	SKRB	SKRR	SKQG	SKSD	SKRN
Pt	noto							
Operation	on feeling			1	Sharp feeling		,	
Wate	er-proof	_	_	_	_	-	_	_
Dust	t-proof	_	_	_	_	_	_	_
IP st	andard	_	_	_	_	_	_	_
Operating	Top push	•	•	•	•	•	•	•
direction	Side push	_	_	_	_	_	_	_
Ground	terminal	_	_	_	_	_	_	_
Dimensi	ions (mm)	3.7×3.7×0.35	4.5×4.5×0.4	4.8×4.8×0.55	7.5×7.0×0.6	5.2 x 5.2×1.5	4.1×3.9×0.6	6.0×6.0×0.9
Operatin	g force (N)	1.27 1.57 2.35	1.57 2.55	1.1 1.57 2.55 3.5	1.0 1.6 2.0	0.98 1.57 2.55 3.43	1st 0.8, 2nd 1.6 1st 0.8, 2nd 1.9	1st 0.59, 2nd 1.57 1st 0.78, 2nd 1.57 1st 0.78, 2nd 2.45
Trave	el (mm)	0.15	0.15 0.2			25	1st 0.15, All 0.25	1st 0.25, All 0.4
Operating ten	nperature range	-30°C to +85°C -30°C to +86°C -30°C to +87°C		-40℃ to +85℃			-40℃ to +90℃	
	Rating (max.)				50mA 12V DC			
Electrical	Rating (min.)				10μΑ 1V DC			
performance	Insulation resistance							
	Voltage proof		100V AC	for 1 min.		250V AC for 1 min.	100V AC for 1 min.	250V AC for 1 min.
	Cold				-40℃ 96h			
Environmental performance	Dry heat				90℃ 96h			
	Damp heat			60°	C, 90 to 95%RH 9	96h		
Auto	motive	_	-	•	-	•	_	_

⚠ Note

• Indicates applicability to all products in the series, while O indicates applicability to some products in the series.

Se	ries	SKUB	SKTA	SKSV	SKSW	SKTK	SKUA	SKSG			
Ph	noto		0	0			0				
Operation	on feeling	Sharp feeling									
Wate	r-proof	•	•	•	•	•	•	_			
Dust	t-proof	•	•	•	•	•	•	_			
IP sta	andard	IP6X equivalent/ IPX8	IP6X equivalent/ IPX7	IP6X equivalent/ IPX7	IP6X equivalent/ IPX7 IP6X equivalent/ IPX8	IP6X equivalent/ IPX7	IP6X equivalent/ IPX7	_			
Operating	Top push	•	•	•	•	•	•	•			
direction	Side push	_	_	_	_	_	_	_			
Ground	terminal	_	_	_	_	_	_	0			
Dimensi	ons (mm)	2.4×1.4×0.55	2.6×1.6×0.53	2.8×1.9×0.5 2.8×1.9×0.55	3.0×2.0×0.6	5.9×4.0×0.78	7.0×7.5×0.67	3.0×2.7×1.4			
Operatina	g force (N)	1.6	1.0 1.6	1.0 1.6 2.2	1.6 1.8 2.4 3.3	2.5	2.0	1.6 2.0 2.8 4.0			
Trave	el (mm)	0.	11	0.12	0.13	0.23	0.22	0.12			
Operating ten	nperature range		-30°C to +85°C -40°C to +90°C -40°C to								
	Rating (max.)	50mA 12V DC									
Flootrical	Rating (min.)		10μA 1V DC								
Electrical performance	Insulation resistance	100MΩ min. 100V DC for 1 min.									
	Voltage proof				100V AC for 1 min	l.					
	Cold				-40℃ 96h						
Environmental performance	Dry heat				90℃ 96h						
	Damp heat	60°C, 90 to 95%RH 96h									
Auto	motive	_	_	_	_	_	_	•			

⚠Note

• Indicates applicability to all products in the series, while \bigcirc indicates applicability to some products in the series.

Se	ries	SKRK	SKTH	SKRP	SKQM	SKQY	SKTQ	SKSU
Př	noto							
Operation	on feeling				Sharp feeling		,	
Wate	r-proof	_	_	-	_	_	_	•
Dust	r-proof	_	•	_	_	_	_	•
IP sta	andard	_	IP6X equivalent	_	_	_	_	IP6X equivalent/ IPX7
Operating	Top push	•	•	•	•	•	•	•
direction	Side push	_	_	_	_	-	-	_
Ground	terminal	_	_	_	_	0	-	_
Dimensi	ons (mm)	3.9×2.9×1.5 3.9×2.9×2.0	3.5×3.2×1.75 3.5×3.2×1.8 3.5×3.2×2.5	4.2×3.2×2.5	6.0×3.5×4.3 6.0×3.5×5.0	6.1×3.7×2.5	5.3×5.4×4.25	5.3×5.4×3.85 5.3×5.4×4.34
Operatin	g force (N)	0.98 1.57	1.4 3.0 5.0 7.0	1.0 1.57 2.55 3.0 4.0 5.0	0.98 1.57 2.55	0.98 1.57 2.55 3.14	2.5 3.0 3.5 5.0	1.4 3.0 3.5 5.0
Trave	el (mm)	0.13	0.12 0.15	0.15 0.2 0.25 0.71 0.73 0.74				0.7 0.8 0.9 1.04
Operating ten	nperature range	-40°C to +85°C	-30℃ to +85℃ -40℃ to +90℃					
	Rating (max.)	50mA 12V DC	25mA 12V DC 25mA 16V DC 50mA 16V DC	50mA 16V DC	50mA 12V DC 50mA 16V DC			
Electrical	Rating (min.)				10μΑ 1V DC			
performance	Insulation resistance			100ΜΩ) min. 100V DC for	r 1 min.		
	Voltage proof	250V AC for 1 min.	100V AC for 1 min. 250V AC for 1 min.		250V AC	for 1 min.		100V AC for 1 min. 250V AC for 1 min.
	Cold	-40℃ 96h	-40℃ 96h -40℃ 500h	-40℃ 96h -40℃ 1,000h	-40℃	96h	-40°C 1,000h	-40℃ 96h -40℃ 1,000h
Environmental performance	Dry heat	90℃ 96h	90°C 96h 90°C 500h	90°C 96h 90°C 1,000h	90°C	96h	90°C 1,000h	90℃ 96h 90℃ 1,000h
perrormance	Damp heat	60°C, 90 to 95%RH 96h	60°C, 90 to 95%RH 96h 60°C, 90 to 95%RH 500h	60°C, 90 to 95%RH 96h 60°C, 90 to 95%RH 1,000h	60°C, 90 to 95%RH 96h		60°C, 90 to 95%RH 1,000h	60°C, 90 to 95%RH 96h 60°C, 90 to 95%RH 1,000h
Auto	motive	_	•	0	•	•	•	0



[•] Indicates applicability to all products in the series, while \bigcirc indicates applicability to some products in the series.

Se	ries	SKTR	SKTT	SKRA	SKHM	SKHU	SKST	SKTD
Ph	noto							
Operation	on feeling				Sharp feeling			
Wate	er-proof	_	_	0	_	_	_	•
Dust	t-proof	•	-	0	-	0	_	•
IP st	andard	IP6X equivalent	_	IP6X equivalent/ IPX7	_	_	_	IP6X equivalent/ IPX7
Operating	Top push	•	•	•	•	•	•	_
direction	Side push	_	-	_	-	_	_	•
Ground	terminal	_	_	_	_	0	_	_
Dimensi	ions (mm)	6.1×6.1×4.1	6.2×6.2×4.4	6.2×6.2×3.4 6.2×6.2×3.5 6.2×6.2×5.2	6.2×6.5×3.1	6.2×6.3×2.5 6.2×6.3×3.1	8.5×8.5×3.95	3.9×2.9×1.55
Operatin	Operating force (N)		4.0	0.6 1.2 1.96 2.0 2.45 3.43 3.92	0.98 1.57 2.35	0.98 1.57 2.55	4.0 4.5 7.0 10.0	1.6 2.0
Trave	el (mm)	0.72 0.75 0.78	0.36	0.25 0.3 0.35 0.4 0.5 0.55	0.25		0.75 0.9	0.15
Operating ten	nperature range		-40℃ to +90℃		-40℃ to +85℃		-40℃ to +90℃	-30℃ to +85℃
	Rating (max.)	50mA	16V DC	50mA 12V DC 50mA 16V DC	50mA	12V DC	50mA 16V DC	50mA 12V DC
Electrical	Rating (min.)				10μA 1V DC		ı	
performance	Insulation resistance			100ΜΩ) min. 100V DC fo	r 1 min.		
	Voltage proof			250V AC	for 1 min.			100V AC for 1 min.
	Cold	-40°C 1	,000h	-40℃ 96h -40℃ 1,000h	-40°C	0 96h	-40°C 1,000h	-40℃ 96h
Environmental	Dry heat	90℃ 1	,000h	90°C 96h 90°C 1,000h	90°C	96h	90°C 1,000h	85℃ 96h
performance	Damp heat	60°C, 90 to 95	5%RH 1,000h	60°C, 90 to 95%RH 96h 60°C, 90 to 95%RH 1,000h	60°C, 90 to 95%RH 96h		60°C, 90 to 95%RH 1,000h	60°C, 90 to 95%RH 96h
Auto	motive	•	•	0	_	•	•	_

⚠ Note

 $\bullet \ \, \text{Indicates applicability to all products in the series, while} \ \, \bigcirc \ \, \text{indicates applicability to some products in the series.}$

Se	ries	SKSN	SKSL	SKSC	SKRT	SKSJ	SKPS	SKPM	
Ph	noto		0.4			3			
Operation	on feeling			Sharp feeling			Soft f	eeling	
Wate	r-proof	-	-	-	-	_	-	_	
Dust	-proof	-	_	-	_	_	_	_	
IP sta	andard	_	-	Ι	Ι	_	-	_	
Operating	Top push	_	-	_	_	_	•	•	
direction	Side push	•	•	•	•	•	-	_	
Ground	terminal	_	_	0	_	_	_	_	
Dimensi	ons (mm)	6.2×3.0×3.5 7.5×3.0×3.5 7.5×4.07×3.5	4.5×2.6×2.2	3.5×3.55×1.25	4.5×3.4×3.3	4.8×3.25×3.3	5.9×6	0×5.0	
Operating	g force (N)	1.6 2.4 4.5 5.0	1.6 2.2 3.5	1.6 2.2		.6	2.5 3.0 3.3 3.6	1.57 1.96 2.45 3.0	
Trave	el (mm)	0.15 0.2 0.23	0.15		0.2		1.05	1.3	
Operating ten	nperature range	-40℃ to +85℃ -40℃ to +90℃	-30°C to) +85℃	-40℃ to +90℃	-30°C to +85°C	-40°C to) +90℃	
	Rating (max.)	50mA 50mA			50mA 12V DC		50mA 16V DC		
	Rating (min.)				10μA 1V DC				
Electrical performance	Insulation resistance	100MΩ min. 100V DC for 1 min. 100MΩ min. 500V DC for 1 min.			100MΩ min. 100	OV DC for 1 min.			
	Voltage proof	100V AC for 1 min. 250V AC for 1 min.	250V AC for 1 min.	100V AC for 1 min.	250V AC for 1 min.	100V AC for 1 min.	250V AC	for 1 min.	
	Cold	-40℃ -40℃ 1		-40℃	96h	-30℃ 96h	-40°C	,000h	
Environmental performance	Dry heat	85°C 96h 90°C 96h 90°C 1,000h	85°C 96h 90°C 1,000h	90°C	96h	85°C 96h	90° 1	,000h	
	Damp heat	60°C, 90 to 9 60°C, 90 to 9§		60°	C, 90 to 95%RH 9	90 to 95%RH 96h		5%RH 1,000h	
Auto	motive	0	0	_	_	_	•	•	

⚠ Note

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Se	SKPR				
Pt					
Operation	on '	feeling	Soft feeling		
Wate	r-p	roof	_		
Dust	t-pr	oof	-		
IP st	and	dard	_		
Operating		Top push	•		
direction		Side push	_		
Ground	te	rminal	_		
Dimensi	ion	s (mm)	7.5×7.8×6.5		
Operatin	g fo	orce (N)	5.0		
Trave	ı) le	mm)	1.0		
Operating ten	npe	rature range	-40℃ to +90℃		
	Ra	ating (max.)	50mA 16V DC		
Electrical	R	ating (min.)	10μA 1V DC		
performance		Insulation esistance	100MΩ min. 100V DC for 1 min.		
	Voltage proof				
	Cold				
Environmental performance	90℃ 1,000h				
	60°C, 90 to 95%RH 1,000h				
Auto	mo	tive	•		

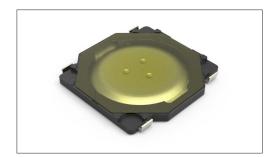


• Indicates applicability to all products in the series, while () indicates applicability to some products in the series.

3.7mm Square (Surface Mount)

SKRW Series

Compact, thin-profile type with a height of 0.35mm.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Headsets, wearables, Notebooks, peripherals Audio_TV: Visual, Audio, Cameras

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKRWAEE030	Top push	1.57	0.15	500,000	100mΩ max.	3.7×3.7×0.35	_	_	_	
SKRWADE030	Top push	2.35	0.15	50,000	100mΩ max.	3.7×3.7×0.35	_	_	_	1
SKRWAME030	Top push	1.57	0.15	1,000,000	100mΩ max.	3.7×3.7×0.35	_	_	_	ı
SKRWANE030	Top push	1.27	0.15	1,000,000	100mΩ max.	3.7×3.7×0.35	_	_	_	

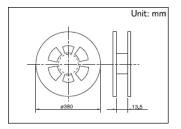
⚠Note

- 1. This 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).

■ Packing Specifications

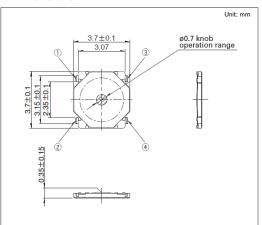
Taping

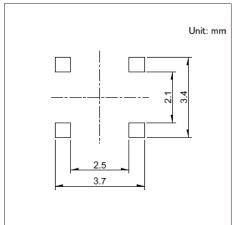
Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
10,000	100,000	100,000	12	395 x 395 x 205	



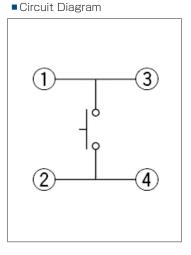
Drawing No.1

■ Dimensions





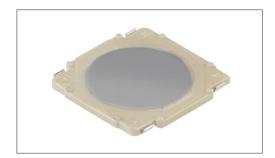
Viewed from mounting face.



4.5mm Square (Surface Mount)

SKRM Series

Compact, thin-profile type with a height of 0.4mm.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Headsets, wearables, Notebooks, peripherals

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKRMAAE010	Top push	1.57	0.15	500,000	100mΩ max.	4.5×4.5×0.4	_	_	_	1
SKRMABE010	Top push	2.55	0.2	100,000	100mΩ max.	4.5×4.5×0.4	_	_	_	1

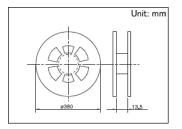
⚠Note

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■ Packing Specifications

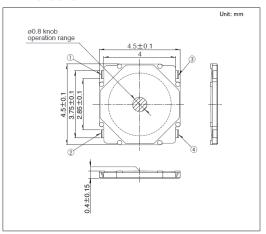
Taping

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
10,000	100,000	100,000	12	395 x 395 x 205	

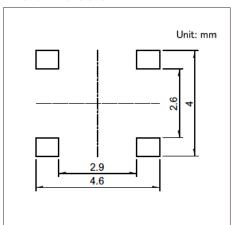


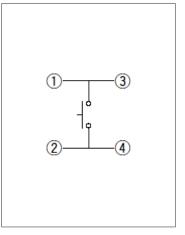
Drawing No.1

■ Dimensions



■ Land Dimensions



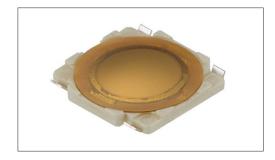


Viewed from mounting face.

4.8mm Square (Surface Mount)

SKRB Series

Automotive-compatible compact, thin-profile type with a height of 0.55mm.





- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Home: Major home appliances, Office equipment
Automotive: Remote Keyless Entry (RKE), Navigation/audio
systems, HVAC, Overhead consoles, Steering, Shifter

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKRBAGE010	Top push	1.1	0.15	2,000,000	100mΩ max.	4.8×4.8×0.55	_	_	•	
SKRBAAE010	Top push	1.57	0.2	1,000,000	100mΩ max.	4.8×4.8×0.55	_	_	•	1
SKRBACE010	Top push	2.55	0.2	500,000	100mΩ max.	4.8×4.8×0.55	_	_	•	ı
SKRBAKE010	Top push	3.5	0.2	200,000	100mΩ max.	4.8×4.8×0.55	_	_	•	

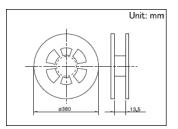
Note

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- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).

■ Packing Specifications

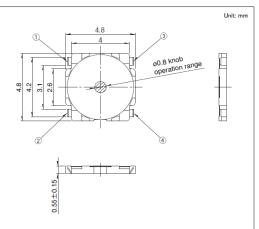
Taping

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
10,000	100,000	100,000	12	395 x 395 x 205	

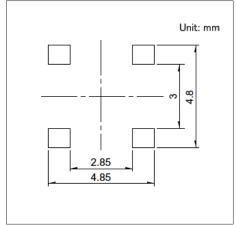


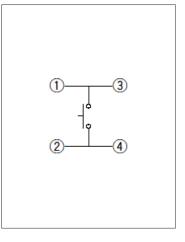
Drawing No.1

■ Dimensions



■ Land Dimensions





Viewed from mounting face.

7.5×7.0mm (Surface Mount)

SKRR Series

Long-life type with a height of 0.6mm, capable of 5 million operations.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- ■Rating (min.): 10µA 1V DC

Applications: Game: Home handheld consoles, Virtual/augmented reality

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKRRAAE010	Top push	1.0	0.25	5,000,000	500mΩ max.	7.5×7.0×0.6	_	_	_	
SKRRABE010	Top push	1.6	0.25	5,000,000	500mΩ max.	7.5×7.0×0.6	_	_	_	1
SKRRACE010	Top push	2.0	0.25	5,000,000	500mΩ max.	7.5×7.0×0.6	_	_		

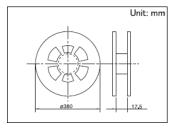
Note

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- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).

■ Packing Specifications

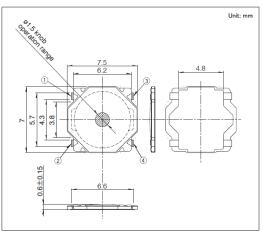
Taping

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
7,000	56,000	56,000	16	395 x 395 x 205	

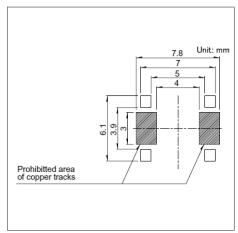


Drawing No.1

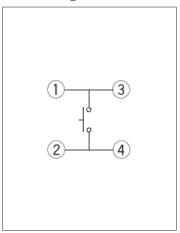
■ Dimensions



■ Land Dimensions



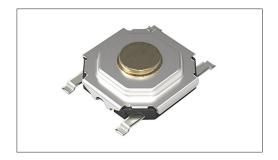
Viewed from mounting face.



5.2mm Square (Surface Mount)

SKQG Series

Automotive-compatible compact, thin-profile type with a height of 1.5mm.





Series type: Sharp feeling type

Absolute Maximum Ratings: 50mA 12V DC

■ Rating (min.): 10µA 1V DC

Applications: Mobile: Notebooks, peripherals
Healthcare: Healthcare equipment

Automotive: Remote Keyless Entry (RKE), Navigation/audio

systems, HVAC, Overhead consoles, Steering, Shifter

■ Product List

	Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
	SKQGAFE010	Top push	0.98	0.25	500,000	100mΩ max.	5.2 x 5.2×1.5	_	_	•	
	SKQGABE010	Top push	1.57	0.25	1,000,000	100mΩ max.	5.2 x 5.2×1.5	_	_	•	1
Ī	SKQGADE010	Top push	2.55	0.25	100,000	100mΩ max.	5.2 x 5.2×1.5	_	_	•	1
	SKQGAKE020	Top push	3.43	0.25	100,000	100mΩ max.	5.2 x 5.2×1.5	_	_	•	

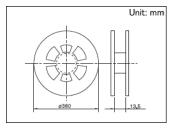
⚠Note

- 1. This 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).

■ Packing Specifications

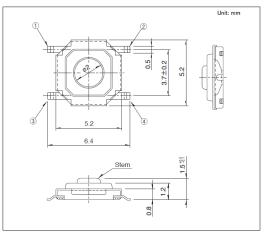
Taping

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	reel 1 case / Japan 1 case / export packing		(mm)	measurements (mm)	
4,000	40,000	40,000	12	395 x 395 x 205	

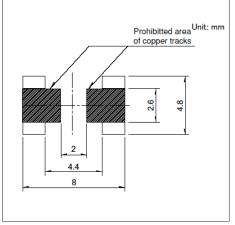


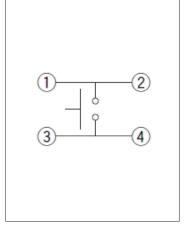
Drawing No.1

Dimensions



■ Land Dimensions





Viewed from mounting face.



4.1×3.9mm Double Action Type (Surface Mount)

SKSD Series

Compact, thin-profile double-action type with a height of 0.6mm.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- ■Rating (min.):10µA 1V DC

Applications: Audio_TV: Cameras

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKSDPBE010	Top push	1st 0.8, 2nd 1.6	1st 0.15, All 0.25	100,000	200mΩ max.	4.1×3.9×0.6	_	_	_	1
SKSDPCE010	Top push	1st 0.8, 2nd 1.9	1st 0.15, All 0.25	50,000	200mΩ max.	4.1×3.9×0.6	_	_	_	,

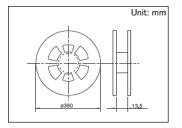
⚠Note

- 1. This 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).

■ Packing Specifications

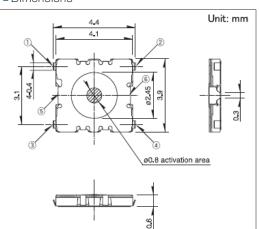
Taping

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	eel 1 case / Japan 1 case / export packing		(mm)	measurements (mm)	
10,000	100,000	100,000	12	395 x 395 x 205	

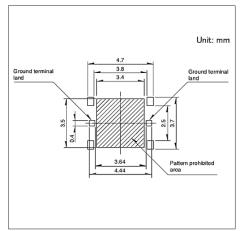


Drawing No.1

■ Dimensions

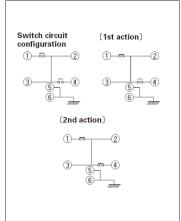


■ Land Dimensions



Viewed from mounting face.

■ Circuit Arrangement



6.0mm Square Double Action Type (Surface Mount) **SKRN Series**

Thin-profile double-action type with a height of 0.9mm.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Audio_TV: Cameras

■ Product List

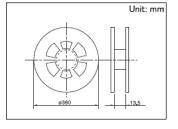
Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Guide bosses	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKRNPAE010	Top push	1st 0.78, 2nd 2.45	1st 0.25, All 0.4	30,000	100mΩ max.	Without	6.0×6.0×0.9	_	_	_	
SKRNPBE010	Top push	1st 0.78, 2nd 2.45	1st 0.25, All 0.4	30,000	100mΩ max.	With	6.0×6.0×0.9	_	_	_	
SKRNPCE010	Top push	1st 0.78, 2nd 1.57	1st 0.25, All 0.4	30,000	100mΩ max.	With	6.0×6.0×0.9	_	_	_	
SKRNPDE010	Top push	1st 0.78, 2nd 1.57	1st 0.25, All 0.4	30,000	100mΩ max.	Without	6.0×6.0×0.9	_	_	_	
SKRNPEE010	Top push	1st 0.59, 2nd 1.57	1st 0.25, All 0.4	100,000	100mΩ max.	Without	6.0×6.0×0.9	_	_	_	
SKRNPME010	Top push	1st 0.59, 2nd 1.57	1st 0.25, All 0.4	100,000	100mΩ max.	With	6.0×6.0×0.9	_	_	_	

⚠Note

- 1. This 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).

■ Packing Specifications

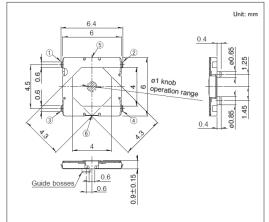
Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
5,000	50,000	50,000	12	395 x 395 x 205	



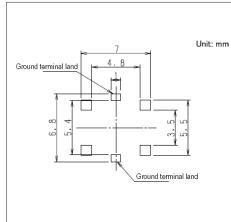
6.0mm Square Double Action Type (Surface Mount) **SKRN Series**

Drawing No.1

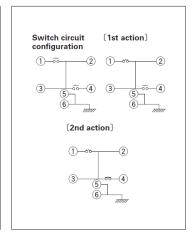
■ Dimensions



■ Land Dimensions



■ Circuit Arrangement



Viewed from mounting face.

2.4×1.4mm Compact Type with Projection (Surface Mount)

SKUB Series

Compact, thin-profile type with a height of 0.55mm, compliant with IP6X equivalent/IPX8.







- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Smartphones, tablets, Headsets, wearables

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKUBAAE010	Top push	1.6	0.11	500,000	500mΩ max.	2.4×1.4×0.55	•	•	IP6X equivalent/IPX8	_	1

⚠Note

- 1. This 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 Protective structure

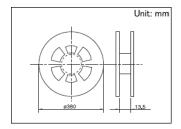
Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

IP6X equivalent/IPX8 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

■ Packing Specifications

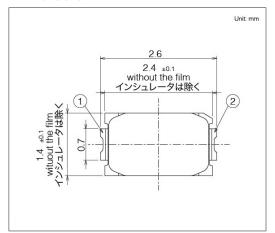
Taping

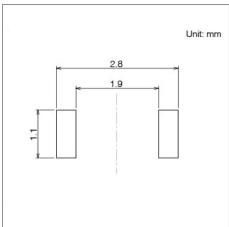
Numb	per of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan export packing		(mm)	measurements (mm)	
20,000	200,000	200,000	12	395 x 395 x 205	



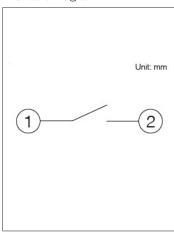
Drawing No.1

Dimensions





■ Circuit Diagram

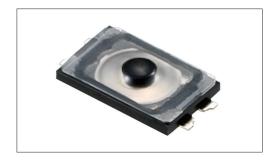


Viewed from mounting face.

2.6×1.6mm Compact Type with Projection (Surface Mount)

SKTA Series

Compact, thin-profile type with a height of 0.53mm, compliant with IP6X equivalent/IPX7.







- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Smartphones, tablets, Headsets, wearables

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKTAACE010	Top push	1.0	0.11	300,000	500mΩ max.	2.6×1.6×0.53	•	•	IP6X equivalent/IPX7	-	1
SKTAAAE010	Top push	1.6	0.11	300,000	500mΩ max.	2.6×1.6×0.53	•	•	IP6X equivalent/IPX7	_	'

⚠Note

- 1. This 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).
- Protective structure:

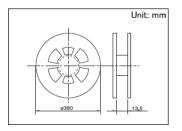
Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

IP6X equivalent/IPX7 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

■ Packing Specifications

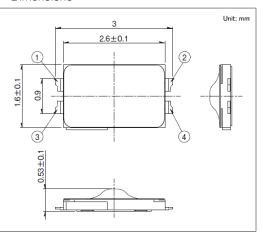
Taping

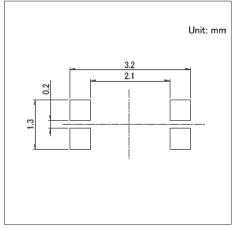
Numb	er of packages	(pcs.)	Tape width	Export package		
1 reel	1 reel 1 case / Japan export pack		(mm)	measurements (mm)		
20,000	20,000 20,000		12	395 x 395 x 205		



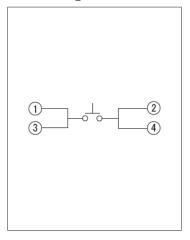
Drawing No.1

Dimensions





■ Circuit Diagram

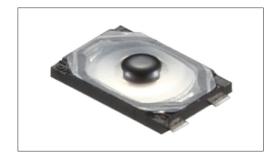


Viewed from mounting face.

2.8×1.9mm Compact Type with Projection (Surface Mount)

SKSV Series

Compact, thin-profile type with a height of 0.5mm, compliant with IP6X equivalent/IPX7.







- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Smartphones, tablets, Headsets, wearables

Healthcare: Healthcare equipment

Audio_TV: Audio, Cameras

Game: Home handheld consoles, Virtual/augmented reality

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKSVCBE010	Top push	1.0	0.12	300,000	500mΩ max.	2.8×1.9×0.55	•	•	IP6X equivalent/IPX7	_	1
SKSVCAE010	Top push	1.6	0.12	300,000	500mΩ max.	2.8×1.9×0.5	•	•	IP6X equivalent/IPX7	-	2
SKSVCCE010	Top push	2.2	0.12	100,000	500mΩ max.	2.8×1.9×0.5	•	•	IP6X equivalent/IPX7	_	2

⚠Note

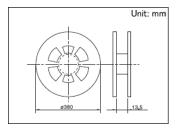
- 1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).
- 3. Protective structure :

Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

IP6X equivalent/IPX7 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

■ Packing Specifications

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	reel 1 case / Japan 1 case / export packing		(mm)	measurements (mm)	
20,000	200,000	200,000	12	395 x 395 x 205	

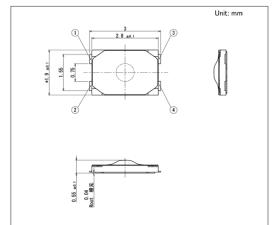


2.8×1.9mm Compact Type with Projection (Surface Mount)

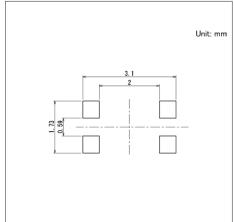
SKSV Series

Drawing No.1

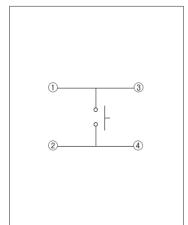
■ Dimensions



■ Land Dimensions



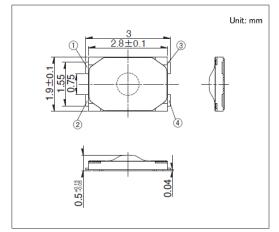
■ Circuit Diagram



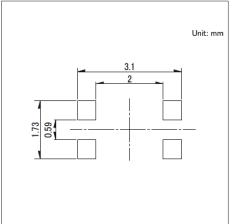
Viewed from mounting face.

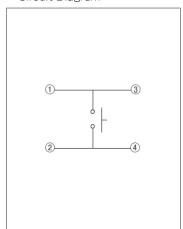
Drawing No.2

■ Dimensions



■ Land Dimensions



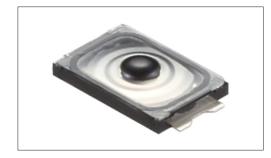


Viewed from mounting face.

3.0×2.0mm Compact Type with Projection (Surface Mount)

SKSW Series

Compact, thin-profile type with a height of 0.6mm, compliant with IP6X equivalent/IPX7 (partially IPX8).







Series type: Sharp feeling type

■ Absolute Maximum Ratings: 50mA 12V DC

■ Rating (min.): 10µA 1V DC

Applications: Mobile: Smartphones, tablets, Headsets, wearables
Game: Home handheld consoles, Virtual/augmented reality
Audio_TV: Cameras

■ Product List

	Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
s	KSWCBE010	Top push	1.6	0.13	300,000	500m $Ω$ max.	3.0×2.0×0.6	•	•	IP6X equivalent/IPX7	_	
s	KSWCEE010	Top push	1.8	0.13	300,000	500mΩ max.	3.0×2.0×0.6	•	•	IP6X equivalent/IPX7	_	1
s	KSWCFE010	Top push	2.4	0.13	500,000	500mΩ max.	3.0×2.0×0.6	•	•	IP6X equivalent/IPX7	_	1
S	KSWCGE010	Top push	3.3	0.13	300,000	500mΩ max.	3.0×2.0×0.6	•	•	IP6X equivalent/IPX7	_	
s	KSWDAE010	Top push	2.4	0.13	300,000	500mΩ max.	3.0×2.0×0.6	•	•	IP6X equivalent/IPX8	_	2

⚠Note

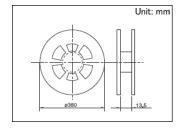
- 1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).
- 3. Protective structure :

Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

IP6X equivalent/IPX7, or IP6X equivalent/IPX8, dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

■ Packing Specifications

Numb	per of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan export packir		(mm)	measurements (mm)	
20,000	200,000	200,000	12	395 x 395 x 205	

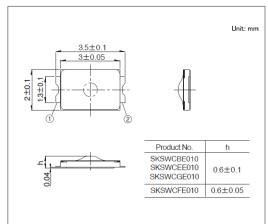


3.0×2.0mm Compact Type with Projection (Surface Mount)

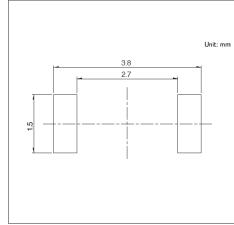
SKSW Series

Drawing No.1

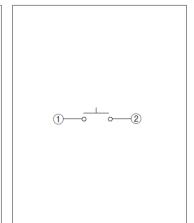
■ Dimensions



■ Land Dimensions



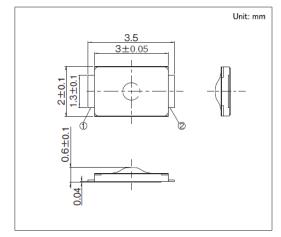
■ Circuit Diagram

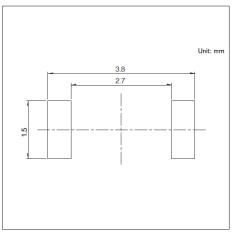


Viewed from mounting face.

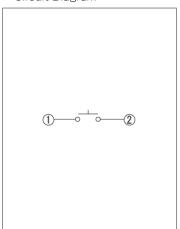
Drawing No.2

■ Dimensions





■ Circuit Diagram

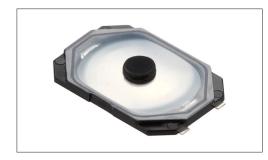


Viewed from mounting face.

5.9×4.0mm with Projection (Surface Mount)

SKTK Series

Long-life type with a height of 0.78mm, capable of 1 million operations, compliant with IP6X equivalent/IPX7.







- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Smartphones, tablets, Headsets, wearables, Notebooks, peripherals

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKTKABE010	Top push	2.5	0.23	1,000,000	500mΩ max.	5.9×4.0×0.78	•	•	IP6X equivalent/IPX7	_	1

⚠Note

- 1. This 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. Protective structure

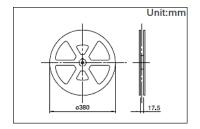
Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

IP6X equivalent/IPX7 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

■ Packing Specifications

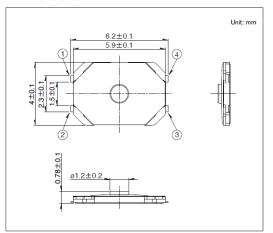
Taping

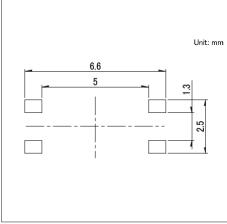
Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
10,000	80,000	80,000	16	395 x 395 x 205	



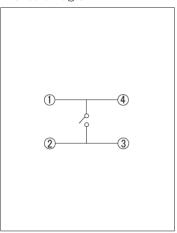
Drawing No.1

Dimensions





■ Circuit Diagram



Viewed from switch mounting face

7.0×7.5mm with Projection (Surface Mount)

SKUA Series

Long-life type with a height of 0.67mm, capable of 6 million operations, compliant with IP6X equivalent/IPX7.







Series type: Sharp feeling type

Absolute Maximum Ratings: 50mA 12V DC

■ Rating (min.): 10µA 1V DC

Applications: Game: Home handheld consoles

Mobile: Smartphones, tablets, Notebooks, peripherals

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKUAAAE010	Top push	2.0	0.22	6,000,000	100mΩ max.	7.0×7.5×0.67	•	•	IP6X equivalent/IPX7	_	1

⚠Note

- 1. This 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. Protective structure

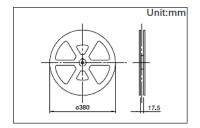
Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

IP6X equivalent/IPX7 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

■ Packing Specifications

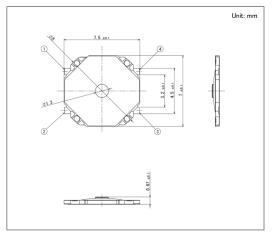
Taping

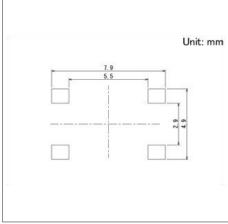
Numb	per of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
6,800	54,400	54,400	16	395 x 395 x 205	



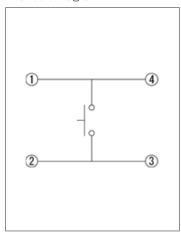
Drawing No.1

Dimensions





■ Circuit Diagram



Viewed from switch mounting face

3.0×2.7mm (Surface Mount)

SKSG Series

Compact short-stroke type with a height of 1.4mm, 0.12mm travel, automotive-compatible, with ground terminal options.





- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Notebooks, peripherals

Energy_Industrial:Robots, drones,Industrial equipment, Converters

Game: Home handheld consoles, Virtual/augmented reality

Automotive: Remote Keyless Entry (RKE), Navigation/audio systems, HVAC, Overhead consoles, Steering, Shifter

■ Product List

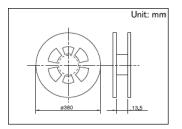
Products No.	Type	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKSGACE010		Top push	1.6	0.12	200,000	$100\text{m}\Omega$ max.	3.0×2.7×1.4	_	_	•	
SKSGAFE010	Top push type	Top push	2.8	0.12	200,000	100mΩ max.	3.0×2.7×1.4	_	_	•	
SKSGAAE010		Top push	4.0	0.12	200,000	100mΩ max.	3.0×2.7×1.4	_	_	•	
SKSGPCE010		Top push	1.6	0.12	200,000	100mΩ max.	3.0×2.7×1.4	_	_	•	1
SKSGPJE010	With ground	Top push	2.0	0.12	200,000	100mΩ max.	3.0×2.7×1.4	_	_	•	
SKSGPGE010	terminal type	Top push	2.8	0.12	200,000	100mΩ max.	3.0×2.7×1.4	_	_	•	
SKSGPAE010		Top push	4.0	0.12	200,000	100mΩ max.	3.0×2.7×1.4	_	_	•	



- 1. This 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).

■ Packing Specifications

Numb	per of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan export packing		(mm)	measurements (mm)	
12,000	120,000	120,000	12	395 x 395 x 205	

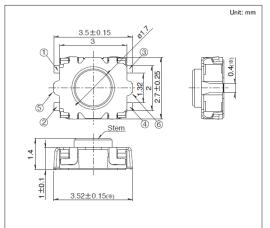


3.0×2.7mm (Surface Mount)

SKSG Series

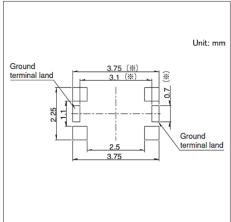
Drawing No.1

■ Dimensions



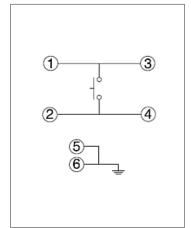
Parts indicated by \$, \$ and \$ apply only to products with a ground terminal.

■ Land Dimensions



Viewed from switch mounting face Parts indicated by a % apply only to products with a ground terminal.

■ Circuit Diagram



Parts indicated by ⑤ and ⑥ apply only to products with a ground terminal.

3.9×2.9mm (Surface Mount)

SKRK Series

Short-stroke type with 0.13mm travel and heights of 1.5mm & 2.0mm.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- ■Rating (min.):10µA 1V DC

Applications: Mobile: Notebooks, peripherals

 ${\tt Energy_Industrial:Robots, drones,Industrial\ equipment,}$

Converters

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKRKAHE020	Top push	0.98	0.13	200,000	500mΩ max.	3.9×2.9×2.0	_	_	_	1
SKRKAEE020	Top push	1.57	0.13	200,000	100mΩ max.	3.9×2.9×2.0	_	_	_	'
SKRKAGE020	Top push	1.57	0.13	200,000	100mΩ max.	3.9×2.9×1.5	_	_	_	2

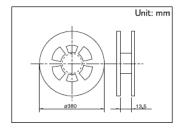
⚠Note

- 1. This 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).

■ Packing Specifications

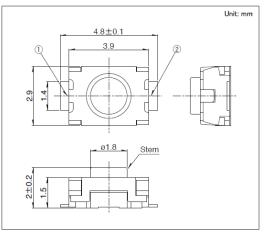
Taping

	Numb	per of packages	(pcs.)	Export package Tape width			
Products No.	1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)		
SKRKAHE020 SKRKAEE020	4,500	45,000	45,000	12	395 x 395 x 205		
SKRKAGE020	5,000	50,000	50,000	12	395 x 395 x 205		

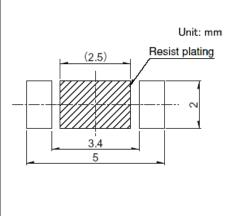


Drawing No.1

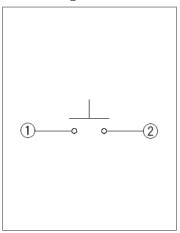
■ Dimensions



■ Land Dimensions



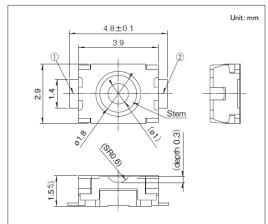
Viewed from mounting face.



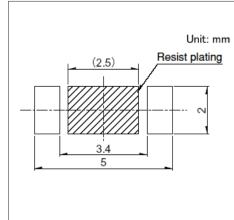
3.9×2.9mm (Surface Mount) SKRK Series

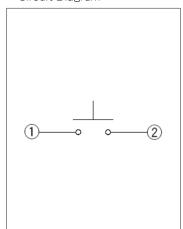
Drawing No.2

Dimensions



■ Land Dimensions





Viewed from mounting face.

3.5×3.2mm (Surface Mount)

SKTH Series

Short-stroke type with dust-proof performance (IP6X equivalent) due to contact sealing structure, automotive-compatible.







Series type: Sharp feeling type

■ Absolute Maximum Ratings: 25mA 16V DC

■ Rating (min.): 10µA 1V DC

Applications: Energy_Industrial: Robots, drones,Industrial equipment, Converters

Game: Home handheld consoles

Automotive: Remote Keyless Entry (RKE), Navigation/audio systems, HVAC, Overhead consoles, Steering

■ Product List

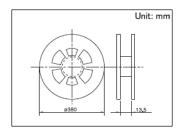
Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKTHBAE010	Top push	3.0	0.12	200,000	500mΩ max.	3.5×3.2×2.5	_	•	IP6X equivalent	•	1
SKTHACE010	Top push	1.4	0.12	100,000	1Ω max.	3.5×3.2×1.8	_	•	IP6X equivalent	•	2
SKTHAEE010	Top push	5.0	0.15	200,000	500mΩ max.	3.5×3.2×1.75	_	•	IP6X equivalent	•	3
SKTHAHE010	Top push	3.0	0.12	200,000	500mΩ max.	3.5×3.2×1.8	_	•	IP6X equivalent	•	2
SKTHAJE010	Top push	7.0	0.15	100,000	500mΩ max.	3.5×3.2×1.75	_	•	IP6X equivalent	•	3

⚠Note

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- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).

■ Packing Specifications

	Numb	er of packages	(pcs.)	Tape width	Export package	
Products No.	1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
SKTHBAE010	4,000	40,000	40,000	12	395 x 395 x 205	
SKTHACE010 SKTHAEE010 SKTHAHE010 SKTHAJE010	5,000	50,000	50,000	12	395 x 395 x 205	

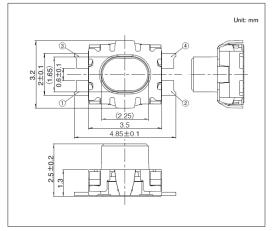


3.5×3.2mm (Surface Mount)

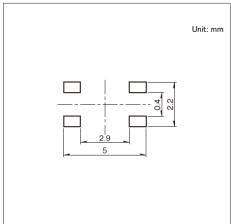
SKTH Series

Drawing No.1

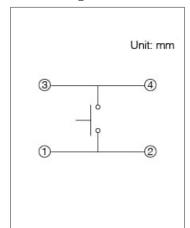
■ Dimensions



■ Land Dimensions



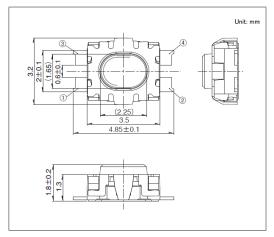
■ Circuit Diagram



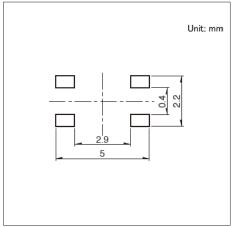
Viewed from mounting face.

Drawing No.2

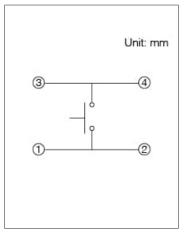
■ Dimensions



■ Land Dimensions



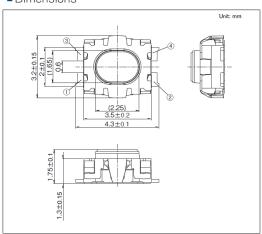
■ Circuit Diagram



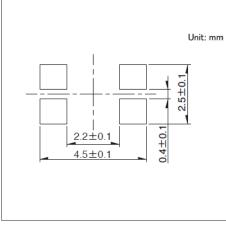
Viewed from switch mounting face

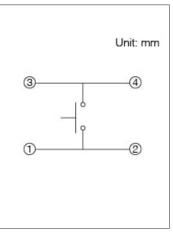
Drawing No.3

■ Dimensions



■ Land Dimensions





Viewed from switch mounting face

4.2×3.2mm Compact High Operating Force (Surface Mount)

SKRP Series

Short-stroke type with a height of 2.5mm, 0.2mm travel, wide stem area for excellent mountability, with long-life options.





*Please check the product list for compatible products

■ Series type: Sharp feeling type

■ Absolute Maximum Ratings: 50mA 16V DC

■ Rating (min.): 10µA 1V DC

Applications: Mobile: Notebooks, peripherals

Energy_Industrial:Robots, drones,Industrial equipment,

Converters

Game: Home handheld consoles, Virtual/augmented reality Healthcare: Healthcare equipment, Nursing care equipment,

Analysis, test equipment

Home: Major home appliances, Office equipment

Audio_TV:Visual,Audio,Pro audio

Automotive: Remote Keyless Entry (RKE),

Navigation/audio systems, HVAC, Overhead consoles, Steering, Shifter

■ Product List

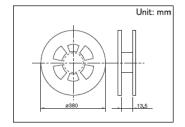
Products No.	Туре	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKRPAKE010		Top push	1.0	0.15	1,000,000	500mΩ max.	4.2×3.2×2.5	_	_	-	
SKRPABE010		Top push	1.57	0.2	100,000	500mΩ max.	4.2×3.2×2.5	_	_	•	
SKRPACE010	Standard type	Top push	2.55	0.2	50,000	500mΩ max.	4.2×3.2×2.5	_	_	•	
SKRPAME010		Top push	3.0	0.2	100,000	500mΩ max.	4.2×3.2×2.5	_		•	1
SKRPADE010		Top push	4.0	0.2	100,000	500mΩ max.	4.2×3.2×2.5	_		•	ı
SKRPARE010		Top push	5.0	0.2	300,000	500mΩ max.	4.2×3.2×2.5	_		•	
SKRPANE010	Long life type	Top push	1.57	0.2	1,000,000	500mΩ max.	4.2×3.2×2.5	_	_	•	
SKRPASE010	Long life type	Top push	2.55	0.2	500,000	500mΩ max.	4.2×3.2×2.5	_	_	•	

Note

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- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).

■ Packing Specifications

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
4,000	40,000	40,000	12	395 x 395 x 205	

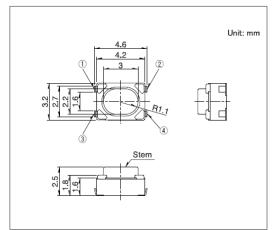


4.2×3.2mm Compact High Operating Force (Surface Mount)

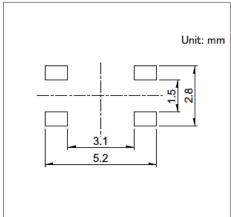
SKRP Series

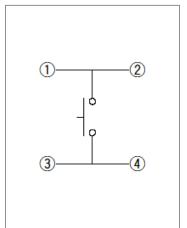
Drawing No.1

Dimensions



■ Land Dimensions





Viewed from mounting face.

6.0×3.5mm (Surface Mount)

SKQM Series

Heights of 4.3mm and 5mm available.





Series type: Sharp feeling type

■ Absolute Maximum Ratings: 50mA 12V DC

■ Rating (min.): 10µA 1V DC

Applications: Energy_Industrial: Industrial equipment

Home: Office equipment

 ${\bf Automotive:} {\bf Navigation/audio\ systems,\ HVAC,}$

Overhead consoles, Steering

■ Product List

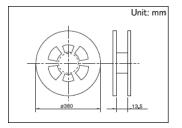
Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKQMBAE010	Top push	0.98	0.25	50,000	500mΩ max.	6.0×3.5×4.3	_	_	•	
SKQMASE010	Top push	1.57	0.25	50,000	500mΩ max.	6.0×3.5×4.3	_	_	•	1
SKQMAQE010	Top push	2.55	0.25	30,000	500mΩ max.	6.0×3.5×4.3	_	_	•	
SKQMATE010	Top push	0.98	0.25	50,000	500mΩ max.	6.0×3.5×5.0	_	_	•	
SKQMBBE010	Top push	1.57	0.25	50,000	500mΩ max.	6.0×3.5×5.0	_	_	•	2
SKQMARE010	Top push	2.55	0.25	30,000	500mΩ max.	6.0×3.5×5.0	_	_	•	



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■ Packing Specifications

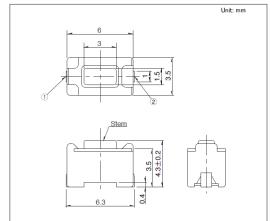
Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
2,000	20,000	20,000	12	395 x 395 x 205	



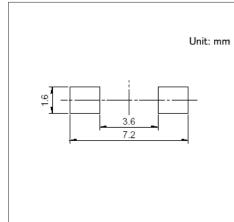
6.0×3.5mm (Surface Mount) **SKQM Series**

Drawing No.1

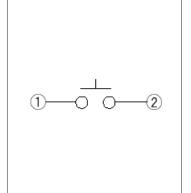
■ Dimensions



■ Land Dimensions



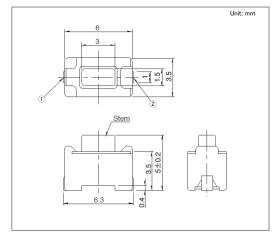
■ Circuit Diagram



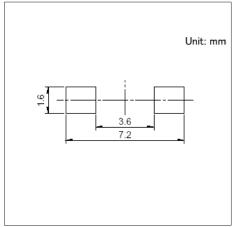
Viewed from mounting face.

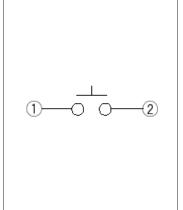
Drawing No.2

■ Dimensions



■ Land Dimensions





Viewed from mounting face.

6.1×3.7mm (Surface Mount)

SKQY Series

High-speed mounting type with a height of 2.5mm, with ground terminal options.





■ Series type: Sharp feeling type

■ Absolute Maximum Ratings: 50mA 12V DC

■ Rating (min.): 10µA 1V DC

Applications:Energy_Industrial:Industrial equipment Home:Office equipment

Automotive: Navigation/audio systems, HVAC, Overhead consoles, Steering

■ Product List

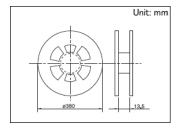
Products No.	Туре	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKQYACE010		Top push	0.98	0.25	50,000	500mΩ max.	6.1×3.7×2.5	_	_	•	
SKQYAAE010	Top puch tupo	Top push	1.57	0.25	50,000	500mΩ max.	6.1×3.7×2.5	_	-	•	1
SKQYABE010	Top push type	Top push	2.55	0.25	50,000	500mΩ max.	6.1×3.7×2.5	_		•	'
SKQYAFE010		Top push	3.14	0.25	50,000	500mΩ max.	6.1×3.7×2.5	_		•	
SKQYPCE010		Top push	0.98	0.25	50,000	500mΩ max.	6.1×3.7×2.5	_		•	
SKQYPAE010	With ground terminal	Top push	1.57	0.25	50,000	500mΩ max.	6.1×3.7×2.5	_	_	•	2
SKQYPBE010	type	Top push	2.55	0.25	50,000	500mΩ max.	6.1×3.7×2.5	_	_	•	۷
SKQYPDE010		Top push	3.14	0.25	50,000	500mΩ max.	6.1×3.7×2.5	_	_	•	

⚠Note

- 1. This 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).

■ Packing Specifications

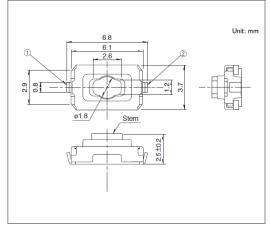
Numb	per of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
3,000	30,000	30,000	12	395 x 395 x 205	



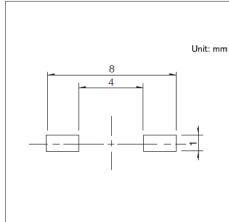
SKQY Series

Drawing No.1

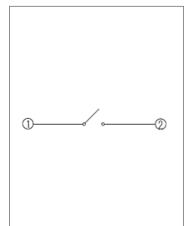
■ Dimensions



■ Land Dimensions



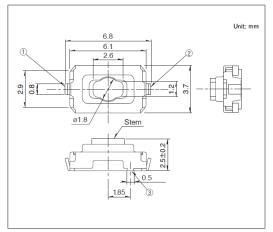
■ Circuit Diagram



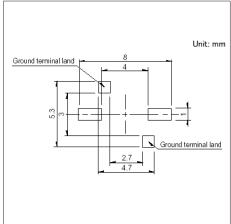
Viewed from mounting face.

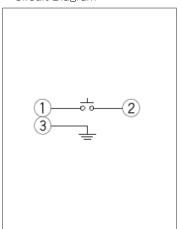
Drawing No.2

■ Dimensions



■ Land Dimensions





Viewed from mounting face.

5.3×5.4mm (Surface Mount)

SKTQ Series

Compact mid-stroke type with reliable operation feel, including small-click and long-life variants.





- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 16V DC
- Rating (min.): 10µA 1V DC

Applications: Automotive: Navigation/audio systems, HVAC, Overhead consoles, Steering, Shifter

■ Product List

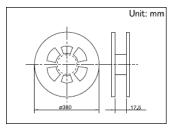
Products No.	Operating direction	Operating force (N)	Click type	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKTQADE010	Top push	2.5	Standard	0.7	200,000	$100\text{m}\Omega$ max.	5.3×5.4×4.25	_	_	•	
SKTQABE010	Top push	3.0	Standard	0.71	200,000	100mΩ max.	5.3×5.4×4.25	_	_	•	
SKTQAAE010	Top push	5.0	Standard	0.71	200,000	100mΩ max.	5.3×5.4×4.25	_	_	•	
SKTQAGE010	Top push	5.0	Standard	0.7	1,000,000	100mΩ max.	5.3×5.4×4.25	_	_	•	1
SKTQAFE010	Top push	3.0	Low click	0.73	500,000	100mΩ max.	5.3×5.4×4.25	_	_	•	
SKTQACE010	Top push	3.5	Low click	0.71	500,000	100mΩ max.	5.3×5.4×4.25	_	_	•	
SKTQAEE010	Top push	5.0	Low click	0.74	200,000	100mΩ max.	5.3×5.4×4.25	_	_	•	

⚠Note

- 1. This 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).

■ Packing Specifications

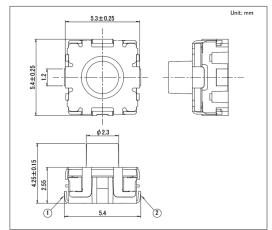
N	umber of packages	(pcs.)	Tape width	Export package		
1 reel	1 case / Japan	1 case/ export packing	(mm)	measurements (mm)		
2,200	17,600	17,600	16	395 x 395 x 205		



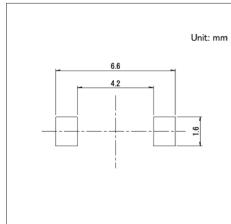
5.3×5.4mm (Surface Mount) SKTQ Series

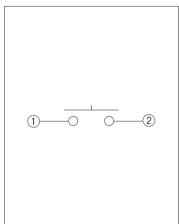
Drawing No.1

Dimensions



■ Land Dimensions





Viewed from switch mounting face

5.3×5.4mm (Surface Mount)

SKSU Series

Compact, quiet, heavy-duty mid-stroke type compliant with IP6X equivalent/IPX7.









*Please check the product list for compatible products

- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 16V DC
- Rating (min.): 10µA 1V DC

Applications: Home: Major home appliances

Mobile: Headsets, wearables Game: Home handheld consoles

Audio_TV:Pro audio

Automotive: Navigation/audio systems, HVAC, Overhead consoles, Steering, Shifter

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKSUBCE010	Top push	3.0	0.9	250,000	100mΩ max.	5.3×5.4×4.34	•	•	IP6X equivalent/IPX7	•	1
SKSUAAE010	Top push	3.5	0.7	250,000	100mΩ max.	5.3×5.4×3.85	•	•	IP6X equivalent/IPX7	•	2
SKSUBBE010	Top push	5.0	1.04	250,000	100mΩ max.	5.3×5.4×4.34	•	•	IP6X equivalent/IPX7	•	1
SKSUBDE010	Top push	1.4	0.8	2,000,000	500mΩ max.	5.3×5.4×4.34	•	•	IP6X equivalent/IPX7	_	1

⚠Note

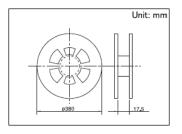
- 1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).
- 3. Protective structure:

Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

IP6X equivalent/IPX7 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

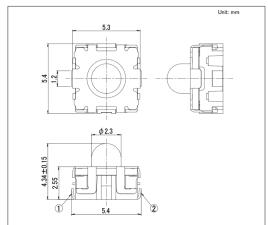
Packing Specifications

	Numb	per of packages	(pcs.)	Tape width	Export package
Products No.	1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
SKSUBCE010 SKSUBBE010 SKSUBDE010	SKSUBBE010 2,200		17,600	16	395 x 395 x 205
SKSUAAE010	2,400	19,200	19,200	16	395 x 395 x 205

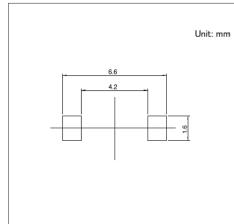


Drawing No.1

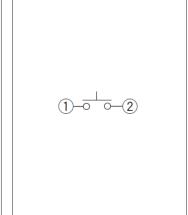
■ Dimensions



■ Land Dimensions



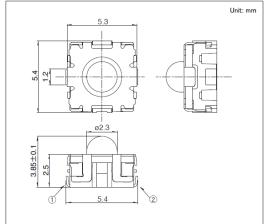
■ Circuit Diagram



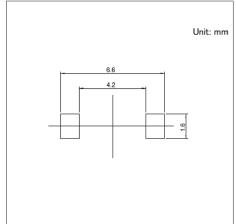
Viewed from switch mounting face

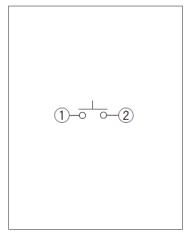
Drawing No.2

■ Dimensions



■ Land Dimensions



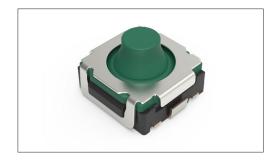


Viewed from switch mounting face

6.1mm Square (Surface Mount)

SKTR Series

Quiet mid-stroke type with reliable operation feel and dust-proof performance (IP6X equivalent).







■ Series type: Sharp feeling type

■ Absolute Maximum Ratings: 50mA 16V DC

■ Rating (min.): 10µA 1V DC

Applications: Automotive: Navigation/audio systems, HVAC, Overhead consoles, Steering, Shifter

■ Product List

Products No.	Operating direction	Operating force (N)	Click type	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKTRAEE010	Top push	3.8	Standard	0.72	200,000	500mΩ max.	6.1×6.1×4.1	_	•	IP6X equivalent	•	
SKTRAFE010	Top push	4.0	Low click	0.78	200,000	500mΩ max.	6.1×6.1×4.1	_	•	IP6X equivalent	•	1
SKTRAGE010	Top push	3.0	Low click	0.75	200,000	500mΩ max.	6.1×6.1×4.1	_	•	IP6X equivalent	•	

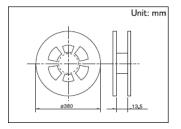
⚠Note

- 1. This 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).

■ Packing Specifications

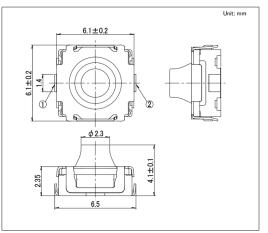
Taping

Numb	per of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
2,500	25,000	25,000	12	395 x 395 x 205	

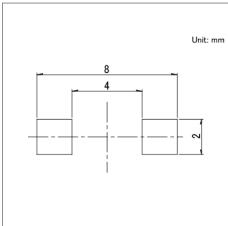


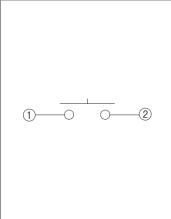
Drawing No.1

■ Dimensions



■ Land Dimensions



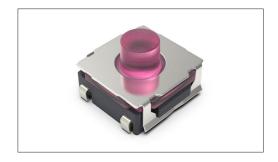


Viewed from switch mounting face

6.2mm Square (Surface Mount)

SKTT Series

Mid-stroke type with a height of 4.4mm, operating force of 4N, 500,000 operation cycles, and 0.36mm travel.





- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 16V DC
- Rating (min.): 10µA 1V DC

Applications: Energy_Industrial: Industrial equipment
Healthcare: Healthcare equipment
Home: Major home appliances

Automotive: Navigation/audio systems, HVAC, Steering

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.	
SKTTABE010	Top push	4.0	0.36	500,000	100mΩ max.	6.2×6.2×4.4	_	_	•	1	

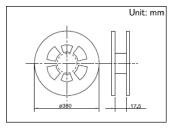
⚠Note

- 1. This 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).

■ Packing Specifications

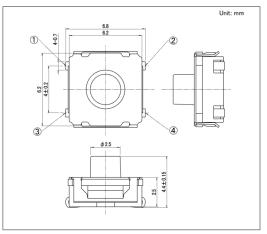
Taping

Numb	per of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
1,600	12,800	12,800	16	395 x 395 x 205	

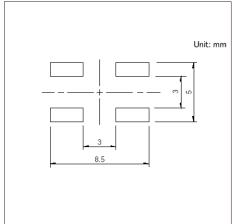


Drawing No.1

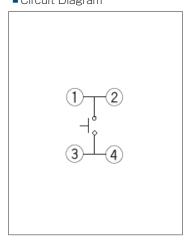
■ Dimensions



■ Land Dimensions



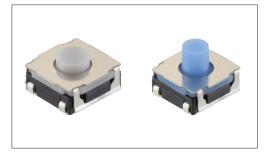
Viewed from switch mounting face



6.2mm Square (Surface Mount)

SKRA Series

Variety of mid-stroke types with rubber stems and 0.25-0.55mm travel.









*Please check the product list for compatible products

Series type: Sharp feeling type

■ Absolute Maximum Ratings: 50mA 12V DC

■ Rating (min.): 10µA 1V DC

Applications: Mobile: Notebooks, peripherals

Energy_Industrial: Robots, drones, Industrial equipment,

Converters

Game: Home handheld consoles, Virtual/augmented reality Healthcare: Healthcare equipment, Nursing care equipment, Analysis, test equipment

Home: Major home appliances, Office equipment Automotive: Navigation/audio systems, HVAC, Overhead consoles, Steering, Shifter

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKRAAWE010	Top push	0.6	0.3	4,000,000	100mΩ max	6.2×6.2×3.5	_	_	_	_	1
SKRAAKE010	Top push	2.45	0.3	100,000	100mΩ max	6.2×6.2×3.5	•	•	IP6X equivalent/ IPX7	•	2
SKRAALE010	Top push	3.92	0.35	100,000	100mΩ max.	6.2×6.2×3.5	•	•	IP6X equivalent/ IPX7	•	د
SKRAAME010	Top push	1.96	0.5	100,000	100mΩ max.	6.2×6.2×5.2	•	•	IP6X equivalent/ IPX7	•	3
SKRAAQE010	Top push	3.43	0.55	100,000	100mΩ max.	6.2×6.2×5.2	•	•	IP6X equivalent/ IPX7	•	3
SKRABCE010	Top push	1.2	0.4	3,000,000	100mΩ max.	6.2×6.2×3.5	_	_	_	-	1
SKRABGE010	Top push	2.0	0.25	2,000,000	100mΩ max.	6.2×6.2×3.5	•	•	IP6X equivalent/ IPX7	_	2
SKRABNE010	Top push	2.0	0.4	5,000,000	100mΩ max.	6.2×6.2×3.4	•	•	IP6X equivalent/ IPX7	_	4

⚠Note

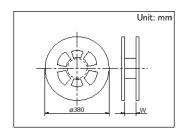
- 1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).

Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

IP6X equivalent/IPX7 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

■ Packing Specifications

	Numb	er of packages	(pcs.)	Reel width	Tape width	Export package	
Products No.	1 reel	1 case / Japan	1 case / export packing	W(mm)	(mm)	measurements (mm)	
SKRAAWE010 SKRAAKE010 SKRAALE010 SKRABCE010 SKRABGE010	3,000	30,000	30,000	13.5	12	395 x 395 x 205	
SKRAAME010 SKRAAQE010	1,400	11,200	11,200	17.5	16	395 x 395 x 205	
SKRABNE010	3,000	30,000	30,000	_	12	395×395×205	

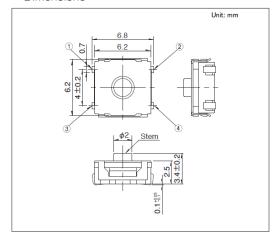


6.2mm Square (Surface Mount)

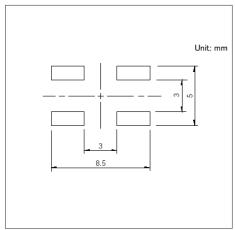
SKRA Series

Drawing No.1

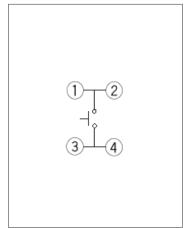
■ Dimensions



■ Land Dimensions



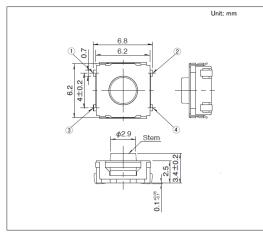
■ Circuit Diagram



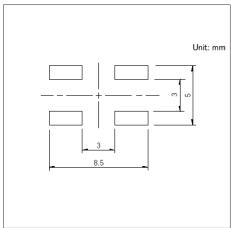
Viewed from switch mounting face

Drawing No.2

Dimensions

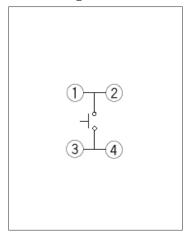


■ Land Dimensions



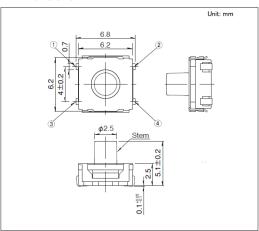
Viewed from switch mounting face

■ Circuit Diagram

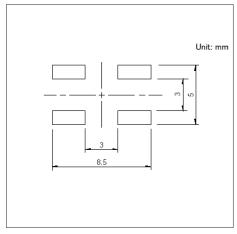


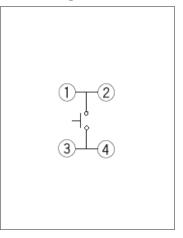
Drawing No.3

■ Dimensions



■ Land Dimensions



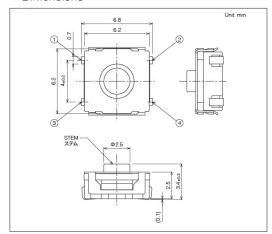


Viewed from switch mounting face

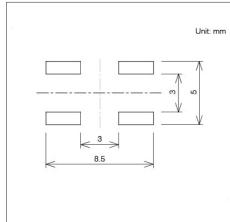
6.2mm Square (Surface Mount) **SKRA Series**

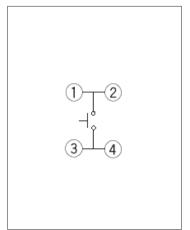
Drawing No.4

Dimensions



■ Land Dimensions





Viewed from switch mounting face

6.2×6.5mm (Surface Mount)

SKHM Series

Type with a height of 3.1mm, including ground terminal options.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- ■Rating (min.):10µA 1V DC

Applications: Energy_Industrial: Industrial equipment

Home: Major home appliances, Office equipment

Audio_TV:Visual

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKHMQKK010	Top push	0.98	0.25	500,000	100mΩ max.	6.2×6.5×3.1	_	_	_	
SKHMQLK010	Top push	1.57	0.25	300,000	100mΩ max.	6.2×6.5×3.1	_	_	_	1
SKHMQMK010	Top push	2.35	0.25	200,000	100mΩ max.	6.2×6.5×3.1	_	_		

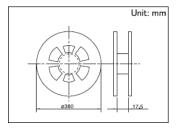
Note

- 1. This 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).

■ Packing Specifications

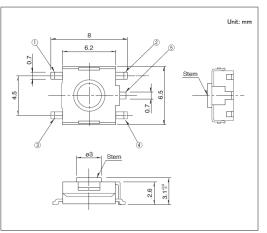
Taping

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
3,000	24,000	24,000	16	395 x 395 x 205	

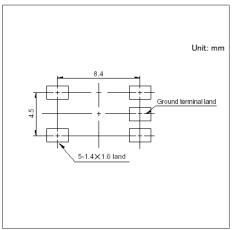


Drawing No.1

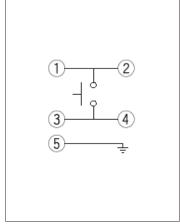
■ Dimensions



■ Land Dimensions



Viewed from switch mounting face



6.2×6.3mm (Surface Mount)

SKHU Series

Wide variety including dust-proof types.







*Please check the product list for compatible products

■ Series type: Sharp feeling type

■ Absolute Maximum Ratings: 50mA 12V DC

■ Rating (min.): 10µA 1V DC

Applications: Energy_Industrial: Industrial equipment

Home: Major home appliances, Office equipment

Audio_TV: Visual

Automotive: Navigation/audio systems, HVAC

■ Product List

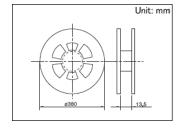
Products No.	Туре	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKHUAKE010		Top push	0.98	0.25	300,000	100mΩ max.	6.2×6.3×2.5	_	-	•	
SKHUALE010	Top push type	Top push	1.57	0.25	300,000	100mΩ max.	6.2×6.3×2.5	_	_	•	1
SKHUAME010		Top push	2.55	0.25	100,000	100mΩ max.	6.2×6.3×2.5	_	_	•	
SKHUPKE010		Top push	0.98	0.25	300,000	100mΩ max.	6.2×6.3×2.5	_	_	•	
SKHUPLE010	With ground terminal type	Top push	1.57	0.25	300,000	100mΩ max.	6.2×6.3×2.5	_	_	•	2
SKHUPME010		Top push	2.55	0.25	100,000	100mΩ max.	6.2×6.3×2.5	_	_	•	
SKHUBHE010	Dust-proof type	Top push	1.57	0.25	50,000	100mΩ max.	6.2×6.3×3.1	_	•	•	3
SKHUQHE010	Dust-proof and with	Top push	1.57	0.25	50,000	100mΩ max.	6.2×6.3×3.1	_	•	•	
SKHUQGE010	ground terminal type	Top push	2.55	0.25	50,000	100mΩ max.	6.2×6.3×3.1	_	•	•	4

Note

- 1. This 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).

■ Packing Specifications

Numb	er of packages	(pcs.)	Tape width	Export package		
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)		
3,000	30,000	30,000	12	395 x 395 x 205		

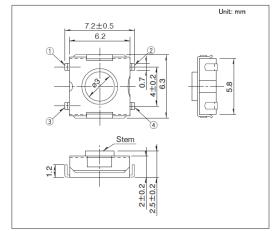


6.2×6.3mm (Surface Mount)

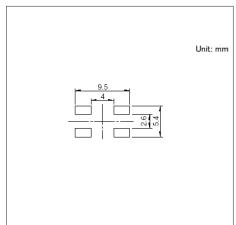
SKHU Series

Drawing No.1

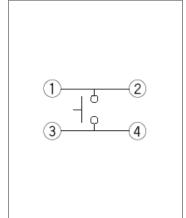
■ Dimensions



■ Land Dimensions



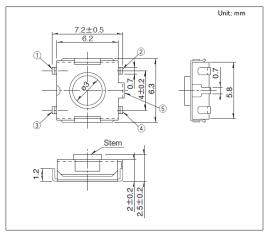
■ Circuit Diagram



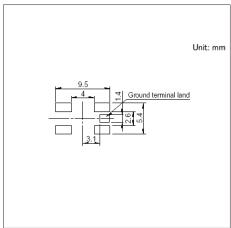
Viewed from switch mounting face

Drawing No.2

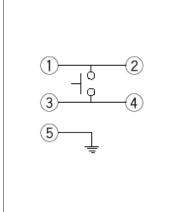
■ Dimensions



■ Land Dimensions



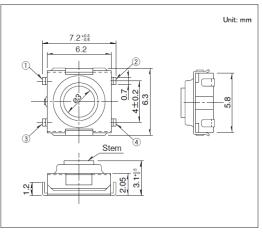
■ Circuit Diagram



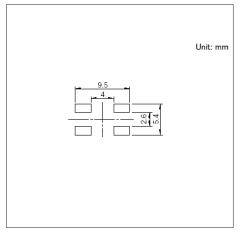
Viewed from switch mounting face

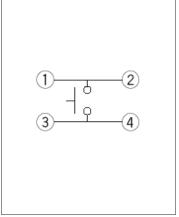
Drawing No.3

■ Dimensions



■ Land Dimensions



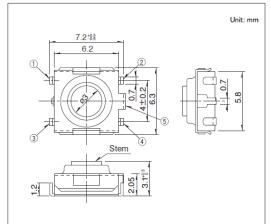


Viewed from switch mounting face

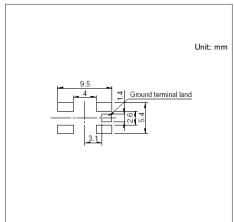
6.2×6.3mm (Surface Mount) SKHU Series

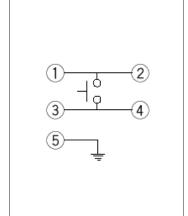
Drawing No.4

Dimensions



■ Land Dimensions



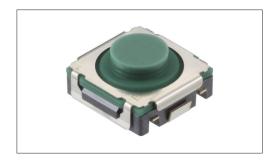


Viewed from switch mounting face

8.5mm Square (Surface Mount)

SKST Series

Type with a height of 3.95mm, delivering a refined operation feel with a mid-stroke.





Series type: Sharp feeling type

■ Absolute Maximum Ratings: 50mA 16V DC

■ Rating (min.): 10µA 1V DC

Applications: Automotive: Navigation/audio systems, HVAC,
Overhead consoles, Steering, Shifter

■ Product List

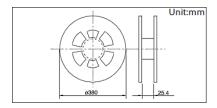
Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKSTABE010	Top push	4.0	0.75	500,000	100mΩ max.	8.5×8.5×3.95	_	_	•	
SKSTAAE010	Top push	4.0	0.9	500,000	100mΩ max.	8.5×8.5×3.95	_	_	•	
SKSTAHE010	Top push	4.5	0.9	1,000,000	100mΩ max.	8.5×8.5×3.95	_	_	•	,
SKSTAJE010	Top push	7.0	0.9	1,000,000	100mΩ max.	8.5×8.5×3.95	_	-	•	ı
SKSTACE010	Top push	7.0	0.9	500,000	500mΩ max.	8.5×8.5×3.95	_	_	•	
SKSTADE010	Top push	10.0	0.9	200,000	100mΩ max.	8.5×8.5×3.95	_	_	•	

⚠Note

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- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).

■ Packing Specifications

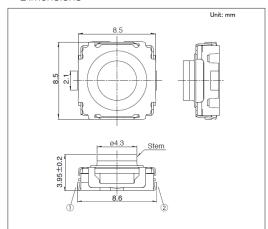
Nu	umber of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
1,500	9,000	9,000	24	395 x 395 x 205	



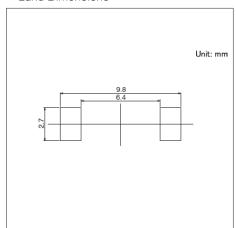
8.5mm Square (Surface Mount) **SKST Series**

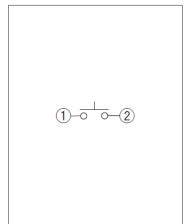
Drawing No.1

Dimensions



■ Land Dimensions





Viewed from switch mounting face

3.9×2.9mm Side Push (Surface Mount)

SKTD Series

Type with a height of 1.55mm, compliant with IP6X equivalent/IPX7.







- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Smartphones, tablets, Headsets, wearables, Notebooks, peripherals Healthcare: Healthcare equipment

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Water-proof & Dust-proof	Automotive	Drawing No.
SKTDLDE010	Side push	1.6	0.15	200,000	500m $Ω$ max.	3.9×2.9×1.55	•	•	IP6X equivalent/IPX7	_	1
SKTDLGE010	Side push	2.0	0.15	200,000	500mΩ max.	3.9×2.9×1.55	•	•	IP6X equivalent/IPX7	-	1

⚠Note

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- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).
- 3. Protective structure:

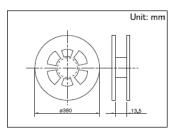
Assumes the switch is left alone without being operated. Under the specified conditions, dust and water ingress with a significant impact on the switch's on-off function is prevented.

IP6X equivalent/IPX7 dust and water resistance is guaranteed for the switch alone and performance may not be guaranteed depending on the mounting conditions and usage.

■ Packing Specifications

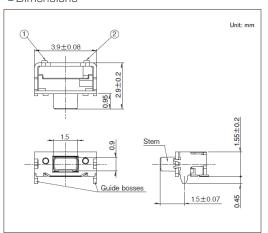
Taping

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
4,500	45,000	45,000	12	395 x 395 x 205	

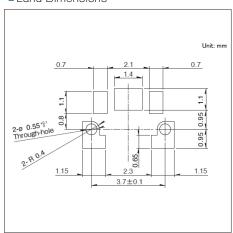


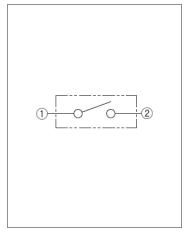
Drawing No.1

■ Dimensions



■ Land Dimensions





Viewed from switch mounting face



6.2×3.0mm Side Push (Surface Mount)

SKSN Series

Mid-mount type with a mounting height of 1.35mm from the board surface, including automotive-compatible variants.





*Please check the product list for compatible products

- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Headsets, wearables, Notebooks, peripherals

Energy_Industrial:Robots, drones Game:Home handheld consoles

Healthcare: Healthcare equipment, Analysis, test equipment

Automotive: Remote Keyless Entry (RKE)

■ Product List

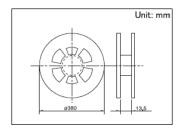
Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKSNLME010	Side push	1.6	0.15	1,000,000	100mΩ max.	7.5×3.0×3.5	_	_	_	1
SKSNLAE010	Side push	2.4	0.2	500,000	100mΩ max.	6.2×3.0×3.5	_	_	_	
SKSNLKE010	Side push	4.5	0.2	100,000	100mΩ max.	6.2×3.0×3.5	_	_	•	2
SKSNLHE010	Side push	5.0	0.2	100,000	100mΩ max.	6.2×3.0×3.5	_	_	•	
SKSNLPE010	Side push	1.6	0.23	1,000,000	500mΩ max.	7.5×4.07×3.5	_	_	_	3

⚠Note

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- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).

■ Packing Specifications

	Numb	per of packages	(pcs.)	Tape width	Export package
Products No.	1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
SKSNLME010	1,900	19,000	19,000	12	395 x 395 x 205
SKSNLAE010 SKSNLKE010 SKSNLHE010	2,500	25,000	25,000	12	395 x 395 x 205
SKSNLPE010	1,200	12,000	12,000	12	395×395×205

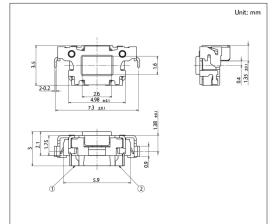


6.2×3.0mm Side Push (Surface Mount)

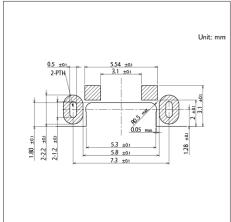
SKSN Series

Drawing No.1

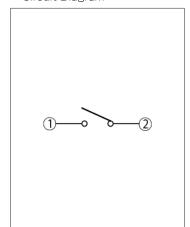
■ Dimensions



■ Land Dimensions



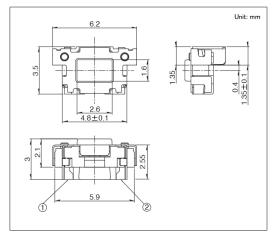
■ Circuit Diagram



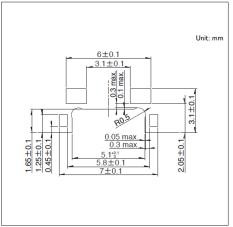
Viewed from switch mounting face

Drawing No.2

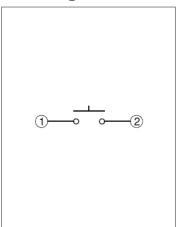
■ Dimensions



■ Land Dimensions



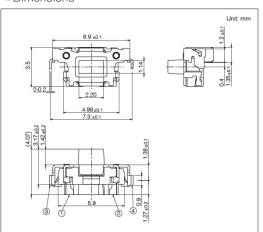
■ Circuit Diagram



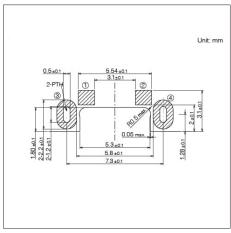
Viewed from switch mounting face

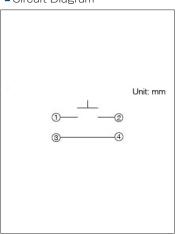
Drawing No.3

■ Dimensions



■ Land Dimensions





Viewed from switch mounting face

4.5×2.6mm Side Push (Surface Mount)

SKSL Series

Half-mount type with a mounting height of 1.6mm from the board surface.





*Please check the product list for compatible products

- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Smartphones, tablets, Smartphones, tablets,
Notebooks, peripherals
Automotive: Remote Keyless Entry (RKE)

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKSLLAE010	Side push	1.6	0.15	600,000	500mΩ max.	4.5×2.6×2.2	_	_	_	
SKSLLBE010	Side push	2.2	0.15	600,000	500mΩ max.	4.5×2.6×2.2	_	_	_	1
SKSLLCE010	Side push	3.5	0.15	100,000	500mΩ max.	4.5×2.6×2.2	_	_	•	

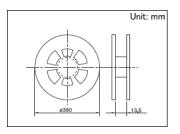
⚠Note

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■ Packing Specifications

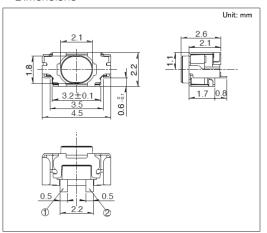
Taping

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
4,400	44,000	44,000	12	395 x 395 x 205	

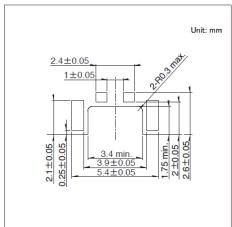


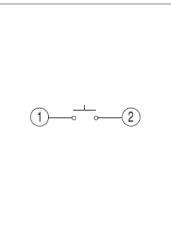
Drawing No.1

■ Dimensions



■ Land Dimensions





Viewed from switch mounting face

3.5×3.55mm Side Push (Surface Mount)

SKSC Series

Half-mount type with excellent soldering strength, compact and thin (1.25mm), including ground terminal options.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- ■Rating (min.):10µA 1V DC

Applications: Mobile: Smartphones, tablets, Smartphones, tablets, Notebooks, peripherals

■ Product List

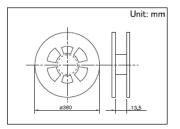
Products No.	Type	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Guide bosses	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKSCLCE010		Side push	1.6	0.2	100,000	100mΩ max.	Without	3.5×3.55×1.25	_	_	_	1
SKSCLAE010	Side push type	Side push	2.2	0.2	100,000	100mΩ max.	Without	3.5×3.55×1.25	_	_	-	'
SKSCLDE010	Side pusit type	Side push	1.6	0.2	100,000	100mΩ max.	With	3.5×3.55×1.25	_	_	_	2
SKSCLBE010		Side push	2.2	0.2	100,000	100mΩ max.	With	3.5×3.55×1.25	_	_	_	۷
SKSCPCE010		Side push	1.6	0.2	100,000	100mΩ max.	Without	3.5×3.55×1.25	_	_	_	3
SKSCPAE010	With ground	Side push	2.2	0.2	100,000	100mΩ max.	Without	3.5×3.55×1.25	_	_	_	3
SKSCPDE010	terminal type	Side push	1.6	0.2	100,000	100mΩ max.	With	3.5×3.55×1.25	_	_	_	4
SKSCPBE010		Side push	2.2	0.2	100,000	100mΩ max.	With	3.5×3.55×1.25	_	_	_	4

Note

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■ Packing Specifications

Numb	per of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
5,000	50,000	50,000	12	395 x 395 x 205	

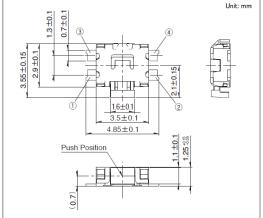


3.5×3.55mm Side Push (Surface Mount)

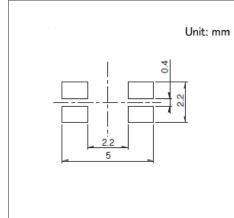
SKSC Series

Drawing No.1

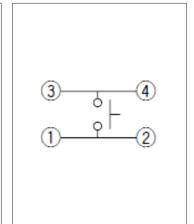
■ Dimensions



■ Land Dimensions



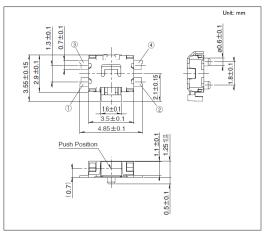
■ Circuit Diagram



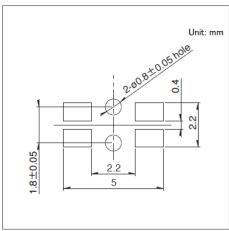
Viewed from switch mounting face

Drawing No.2

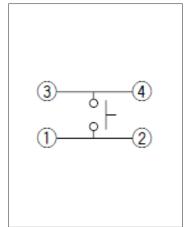
■ Dimensions



■ Land Dimensions



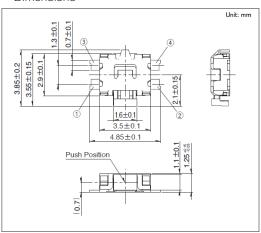
■ Circuit Diagram



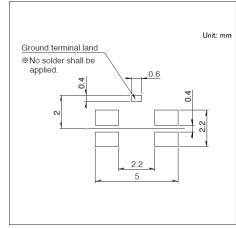
Viewed from switch mounting face

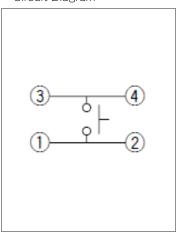
Drawing No.3

■ Dimensions



■ Land Dimensions



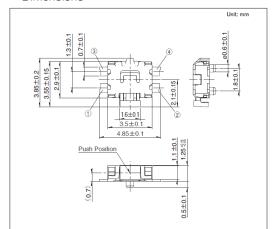


Viewed from switch mounting face

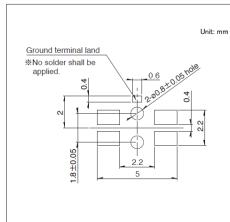
3.5×3.55mm Side Push (Surface Mount) **SKSC Series**

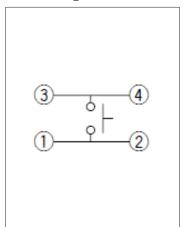
Drawing No.4

■ Dimensions



■ Land Dimensions





Viewed from switch mounting face

4.5×3.4mm Side Push (Surface Mount)

SKRT Series

Side-push type with excellent soldering strength and good operation feel.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- ■Rating (min.): 10µA 1V DC

Applications: Mobile: Headsets, wearables

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Guide bosses	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKRTLAE010	Side push	1.6	0.2	100,000	500mΩ max.	With	4.5×3.4×3.3	_	_	_	1
SKRTLBE010	Side push	1.6	0.2	100,000	500mΩ max.	Without	4.5×3.4×3.3	_	_	-	2

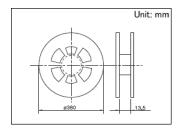
⚠Note

- 1. This 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).

■ Packing Specifications

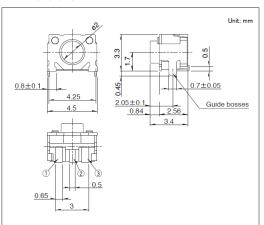
Taping

Numb	er of packages	(pcs.)	Tape width	Export package	
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)	
3,000	30,000	30,000	12	395 x 395 x 205	

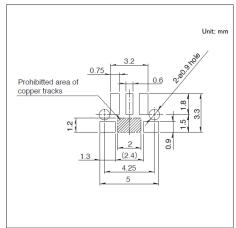


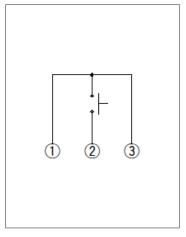
Drawing No.1

■ Dimensions



■ Land Dimensions



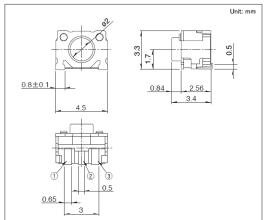


Viewed from switch mounting face

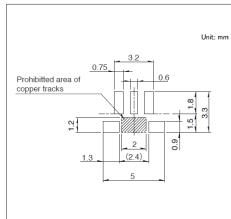
4.5×3.4mm Side Push (Surface Mount)
SKRT Series

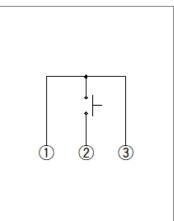
Drawing No.2

Dimensions



■ Land Dimensions





Viewed from switch mounting face

4.8×3.25mm Side Push (Surface Mount)

SKSJ Series

Long-life half-mount type with excellent soldering strength, capable of 1 million operation cycles.



- Series type: Sharp feeling type
- Absolute Maximum Ratings: 50mA 12V DC
- Rating (min.): 10µA 1V DC

Applications: Mobile: Notebooks, peripherals, Headsets, wearables

Game: Home handheld consoles Mobile: Headsets, wearables Healthcare: Healthcare equipment

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKSJLEE010	Side push	1.6	0.2	1,000,000	500mΩ max.	4.8×3.25×3.3	_	_	_	1

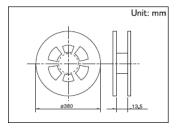
⚠Note

- 1. This 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).

■ Packing Specifications

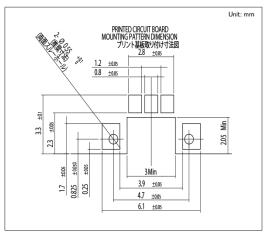
Taping

Numb	er of packages	(pcs.)	Tape width	Export package
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
3,000	30,000	30,000	12	395 x 395 x 205

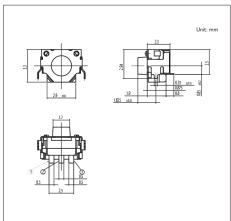


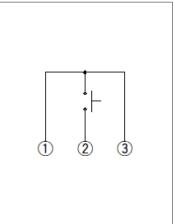
Drawing No.1

Dimensions



■ Land Dimensions





Viewed from switch mounting face

6.0×5.9mm Low Contact Resistance (Surface Mount)

SKPS Series

Long-stroke, soft-feel type with 1.05mm travel, capable of 300,000 operation cycles.





- Series type: Soft feeling type
- Absolute Maximum Ratings: 50mA 16V DC
- Rating (min.): 10µA 1V DC

Applications: Automotive: Navigation/audio systems, HVAC,
Overhead consoles, Steering, Shifter

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKPSAEE010	Top push	2.5	1.05	300,000	100mΩ max.	5.9×6.0×5.0	_	_	•	
SKPSACE010	Top push	3.0	1.05	300,000	100mΩ max.	5.9×6.0×5.0	_	_	•	1
SKPSADE010	Top push	3.3	1.05	300,000	100mΩ max.	5.9×6.0×5.0	_	_	•	'
SKPSAAE010	Top push	3.6	1.05	300,000	100mΩ max.	5.9×6.0×5.0	_	_	•	

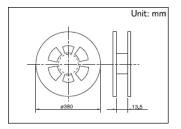
⚠Note

- 1. This 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).

■ Packing Specifications

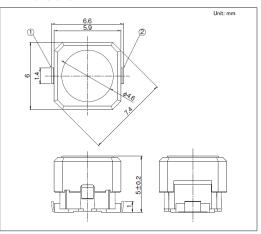
Taping

Numb	er of packages	(pcs.)	Tape width	Export package
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
2,000	20,000	20,000	12	395 x 395 x 205

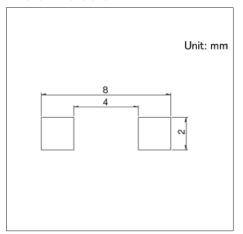


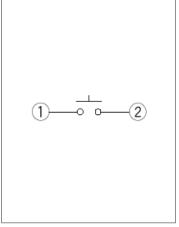
Drawing No.1

■ Dimensions



■ Land Dimensions





Viewed from switch mounting face

6.0×5.9mm Low Contact Resistance (Surface Mount) **SKPM Series**

Long-stroke, soft-feel type with a 1.3mm travel, featuring metal contacts for low contact resistance.





Series type: Soft feeling type

■ Absolute Maximum Ratings: 50mA 16V DC

■ Rating (min.): 10µA 1V DC

Applications: Audio_TV: Pro audio

Automotive: Navigation/audio systems, HVAC, Overhead consoles, Steering, Shifter

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKPMAME010	Top push	1.57	1.3	100,000	100mΩ max.	5.9×6.0×5.0	_	_	•	
SKPMANE010	Top push	1.96	1.3	100,000	100mΩ max.	5.9×6.0×5.0	_	_	•	1
SKPMAPE010	Top push	2.45	1.3	100,000	100mΩ max.	5.9×6.0×5.0	_	_	•	ı
SKPMBHE010	Top push	3.0	1.3	100,000	100mΩ max.	5.9×6.0×5.0	_	_	•	

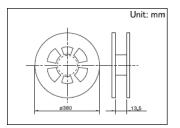


- 1. This catalog shows only outline specifications. When using the products, please obtain formal specifications for supply.
- 2. Please place purchase orders for taping products per minimum order unit (1 reel or a case).

■ Packing Specifications

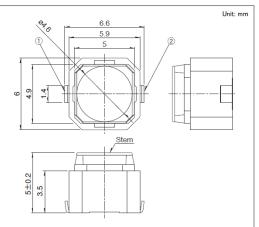
Taping

Numb	er of packages	(pcs.)	Tape width	Export package
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
2,000	20,000	20,000	12	395 x 395 x 205

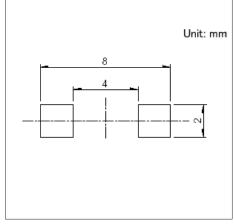


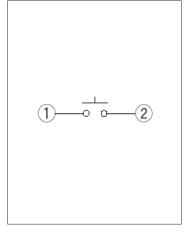
Drawing No.1

■ Dimensions



■ Land Dimensions





Viewed from switch mounting face

7.5×7.8mm High Operation Force, Low Contact Resistance (Surface Mount) SKPR Series

Heavy-duty long-stroke, soft-feel type with a 1.0mm travel, featuring metal contacts for low contact resistance.





- Series type: Soft feeling type
- Absolute Maximum Ratings: 50mA 16V DC
- Rating (min.): 10µA 1V DC

Applications: Automotive: Navigation/audio systems, HVAC,
Overhead consoles, Steering, Shifter

■ Product List

Products No.	Operating direction	Operating force (N)	Travel (mm)	Operating life (cycles)	Initial contact resistance	Dimensions (W×D×H) (mm)	Water-proof	Dust-proof	Automotive	Drawing No.
SKPRAAE010	Top push	5.0	1.0	100,000	100mΩ max.	7.5×7.8×6.5	_	_	•	1

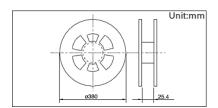
⚠Note

- 1. This 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).

■ Packing Specifications

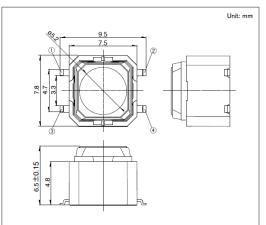
Taping

Numb	er of packages	(pcs.)	Tape width	Export package
1 reel	1 case / Japan	1 case / export packing	(mm)	measurements (mm)
1,050	6,300	6,300	24	395 x 395 x 205

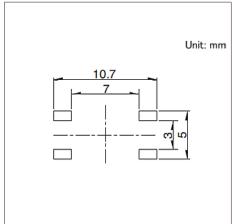


Drawing No.1

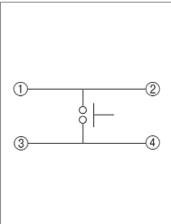
■ Dimensions



■ Land Dimensions



■ Circuit Diagram



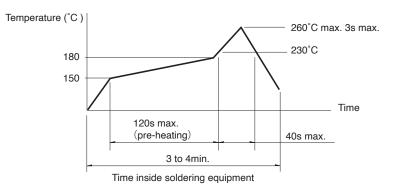
Viewed from switch mounting face

TACT Switch™ / Soldering Conditions

■ Condition for Reflow

Available for Surface Mount Type.

Temperature profile



Note

- $\hbox{1. Please confirm the specifications of our product for the detailed condition.}\\$
- 2. Soldering conditions differ depending on reflow soldering machines. Prior verification of soldering condition is highly recommended.
- 3. Allowable soldering time: 2 times Max. The second soldering should be done after the switch is stable with normal temperature.

■ Conditions for Auto-dip

Available for Snap-in Type and Radial Type.

Items	Condition
Flux built-up	Mounting surface should not be exposed to flux
Preheating temperature	Ambient temperature of the soldered surface of PC board. 100°C max.
Preheating time	60s max.
Soldering temperature	260℃ max.
Duration of immersion	5s max.
Number of soldering	2times max.

SKHH Series

Items	Condition
Flux built-up	Mounting surface should not be exposed to flux
Preheating temperature	Ambient temperature of the soldered surface of PC board. 110°C max.
Preheating time	60s max.
Soldering temperature	260°C max.
Duration of immersion	5s max.
Number of soldering	2times max.

SKHLTop Push Type, SKQJ Series

Items	Condition		
Flux built-up	Mounting surface should not be exposed to flux		
Preheating temperature	Ambient temperature of the soldered surface of PC board. 100°C max.		
Preheating time	45s max.		
Soldering temperature	255℃ max.		
Duration of immersion	5s max.		
Number of soldering	2times max.		

Items

■ Manual Soldering

Items	Condition
Soldering temperature	350°Cmax.
Duration of soldering	3s max.

SKHH, SKHW Series

Capacity of soldering iron

Items	Condition
Soldering temperature	360°Cmax.
Duration of soldering	3s max.
Capacity of soldering iron	60W max.

60W max.

SKTD, SKQJ, SKSN Series

Items	Condition
Soldering temperature	350℃max.
Duration of soldering	3s max.
Capacity of soldering iron	20W max.



- 1. Prevent flux penetration from the top side of the TACT SwitchTM.
- 2. Switch terminals and a PC board should not be coated with flux prior to soldering.
- 3. The second soldering should be done after the switch is stable with normal temperature.
- 4. Use the flux with a specific gravity of min 0.81. (EC-19S-8 by TAMURA CORPORATION, or equivalents.)

TACT Switch™ / Cautions

- 1. When terminals are exposed to mechanical stress during soldering, it may cause degradation in deformation and electrical property.
- 2. Through-hole PC board, or a PC board thickness other than the recommendation may cause larger heat stress. Prior verification is highly recommended.
- 3. In prior to the 2nd soldering swith shall be stable with normal temperature. It may cause deformation of swith, loose terminals, terminal removed from PC board, and / or degradation of electric property.
- 4. Verify samples with actual mass production conditions.
- 5. After soldering, do not wash switches with a solvent, etc.
- 6. The products are designed and manufactured for direct current resistance. Individual consultation is recommended for use of other resistances such as inductive (L) or capacitive (C).
- 7. The sizes of holes and patterns on a PC board for mounting a switch, be asper the recommended dimensions in the product drawings.
- 8. This switch is designed for manually operated units. Must not use this switch for a mechanical detection unit. For detection purposes, please use our detection switch.
- 9. The switch will be broken if impact force or a greater stress than that specified is applied. Take great care not to let the switch be subject to greater stress than specified.
- 10. Do not apply a force from the side of the stem.
- 11. Be sure to push the center of switch for "without-stem" type. Extreme care is required for a hinge structure type, as the activation point may shift when it is pressed down.
- 12. The circuit setting (software setting) shall be ensured for error-free operations, caused by bounce and chattering as specified by each model of the switches.
- 13. Prior verification is needed to ensure that no corrosive gas-generating components are used near our switch. It may give negative influence such as contact failure.
- 14. Contact resistance of a carbon contact type may vary depending on push force. Confirm that it functions sufficiently in using TACT Switch™ with a voltage divider circuit.
- 15. Be aware of dust intrusion into a non dust-proof TACT switch ™.

16. Storage

- 1. Store the products as delivered, at a normal temperature and humidity, without direct sunshine and corrosive gas ambient. Use them at an earliest possible timing, not later than six months upon receipt.
- 2. After breaking the seal, keep the products in a plastic bag to prevent out ambient air, store them in the same environment as above, and use all as soon as possible.
- 3.Do not stack too many switches.
- 4. Store the key switches in released position.
- 17. TACT Switch is a trademark or registered trademark of Alps Alpine Co., Ltd.