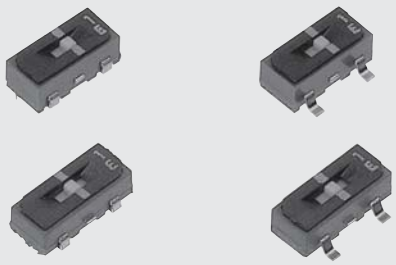
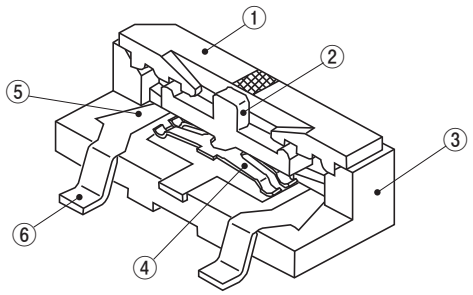
SLIDE SWITCHES (SMD) CJS

RoHS compliant



INTERNAL STRUCTURE



Part name		Material	Flammability
①	Cover	Polyphenylenesulphide	UL94V-0
②	Slider	Polyamide	
③	Housing	Polyphenylenesulphide	
④	Slider contact	Copper alloy, Gold-plated	—
⑤	Fixed contact		
⑥	Terminal pin		

FEATURES

- RoHS compliant
- Easy to set slider with line marking
- With neutral detent type lined up to 1 pole 2contacts switch
- Compatible with most automatic pick & place machinery
- Compact and space saving SMD type

PART NUMBER DESIGNATION

C J S - 1 2 0 1 T B 1

Series name

No. of poles
1 : 1 pole (SPDT)

No. of contacts
2 : 2 contacts

Setting position
0 : Top setting

Neutral detent
0 : Without neutral detent
1 : With neutral detent

SPDT : Single Pole Double Throw

Structure
1 : Non-washable type (Without seal tape)
Standard type
2 : Non-washable type (With seal tape)
Blank : Washable type (With seal tape)

Shape of terminal
A : J-hook
B : Gull wing

Form of packaging
T : Taping (Reel)
Blank : Bulk in plastic bag

※ Please refer to the LIST OF PART NUMBERS when placing orders.

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■ LIST OF PART NUMBERS

No. of poles	No. of contacts	Setting position	Neutral detent	Form of packaging	Non-washable type (Without seal tape)		Non-washable type (With seal tape)		Pieces in package
					A (J-hook)	B (Gull wing)	A (J-hook)	B (Gull wing)	
1	2	Top setting	Without neutral detent	Taping	CJS-1200TA1	CJS-1200TB1	CJS-1200TA2	CJS-1200TB2	1000pcs./reel
				Plastic bag	CJS-1200A1	CJS-1200B1	CJS-1200A2	CJS-1200B2	100pcs./pack
			With neutral detent	Taping	CJS-1201TA1	CJS-1201TB1	CJS-1201TA2	CJS-1201TB2	1000pcs./reel
				Plastic bag	CJS-1201A1	CJS-1201B1	CJS-1201A2	CJS-1201B2	100pcs./pack

No. of poles	No. of contacts	Setting position	Neutral detent	Form of packaging	Washable type (With seal tape)		Pieces in package
					A (J-hook)	B (Gull wing)	
1	2	Top setting	Without neutral detent	Taping	CJS-1200TA	CJS-1200TB	1000pcs./reel
				Plastic bag	CJS-1200A	CJS-1200B	100pcs./pack
			With neutral detent	Taping	CJS-1201TA	CJS-1201TB	1000pcs./reel
				Plastic bag	CJS-1201A	CJS-1201B	100pcs./pack

※ Verify the above part numbers when placing orders.
Taping version can be supplied only in reel unit.

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■ STANDARD SPECIFICATIONS

Operating temp. range	– 40 ~ 85 °C
Storage temp. range	
Sealing	Washable type available with seal tape
Net weight	Approx. 0.05g (CJS-1200) Approx. 0.06g (CJS-1201)

■ ELECTRICAL CHARACTERISTICS

Contact rating Non-switching Switching Minimum	 DC50 V 100 mA DC6 V, 100 mA DC24 V, 25 mA DC20 mV 1 μA
Contact resistance	100 mΩ maximum
Insulation resistance	100 MΩ (DC100 V) minimum
Dielectric strength	AC250 V, 60 s

■ MECHANICAL CHARACTERISTICS

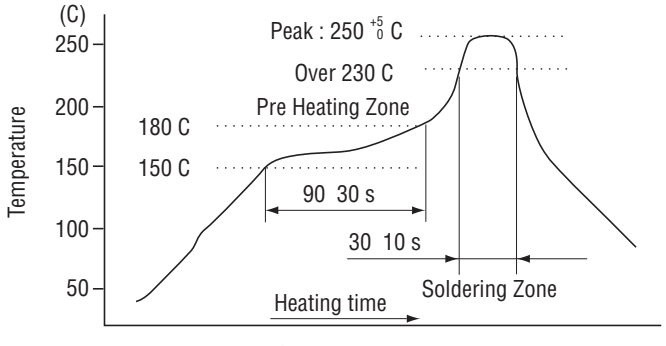
Operating force	5.9 N {0.6 kgf} maximum
Stop strength	10 N {1.02 kgf}, 60 s
Solderability	245 ± 3 °C, 2 ~ 3 s
Soldering heat	Reflow : 255 °C (Peak temperature) (Please refer to the profile below)
	Manual soldering : 350 ± 10 °C, 3 ~ 4 s
Shear (Adhesion)	5 N {0.51 kgf} 10 s
Substrate bending	Width 90 mm, bend 3 mm, 5 s, 1 time
Pull-off strength	5 N {0.51 kgf} 10 s

{ } : Reference only

■ ENVIRONMENTAL CHARACTERISTICS

Vibration	(Amplitude) 1.5 mm or (Acceleration) 98 m/s^2, 10-500 Hz, 3 directions for 10 cycles each
Shock	490 m/s^2, 11 ms 6 directions for 3 times each
Load life	Continuous load 200 cycles, DC6 ± 0.5 V, 100 ± 10 mA
Humidity	–10 ~ 65 °C, Relative humidity 0 ~ 96 %, 24 h for 10 cycles
High temp. exposure	85 °C, 96 h
Low temp. exposure	–40 °C, 96 h
Thermal shock	–40 (0.5 h) ~ 85 °C (0.5 h), 5 cycles

〈Reflow profile for soldering heat evaluation〉



Reflow : two times maximum

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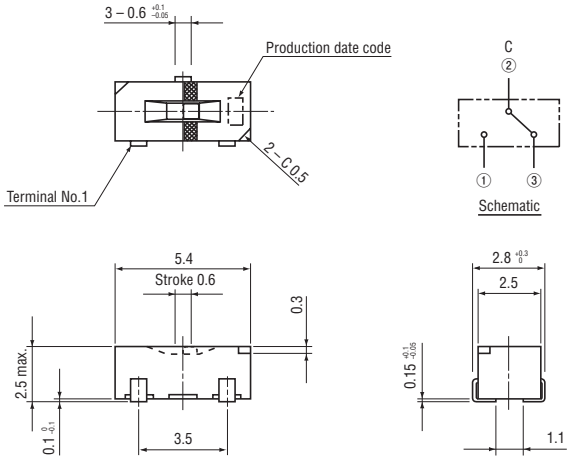
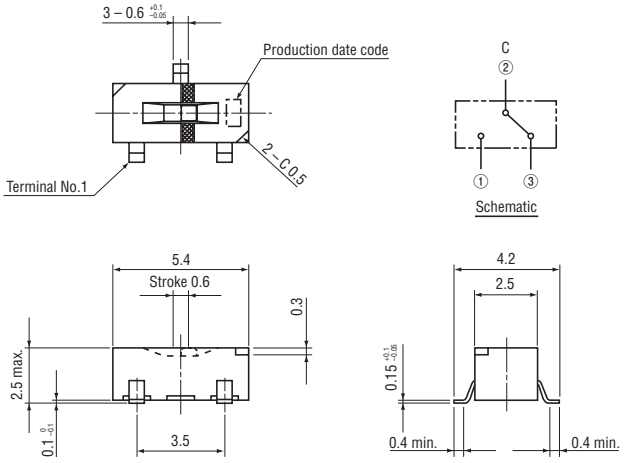
■ OUTLINE DIMENSIONS

Unless otherwise specified, tolerance : ± 0.3 (Unit : mm)

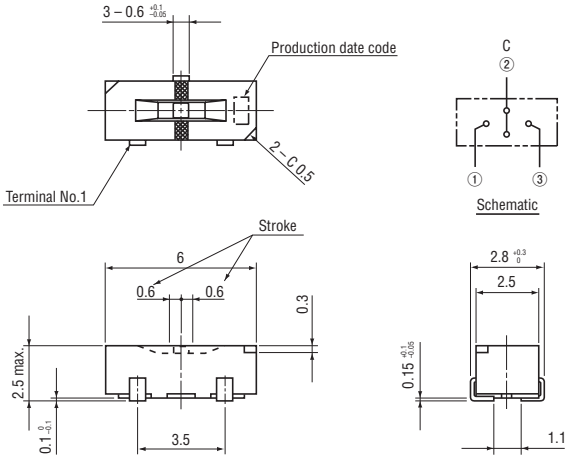
● CJS-1200A1



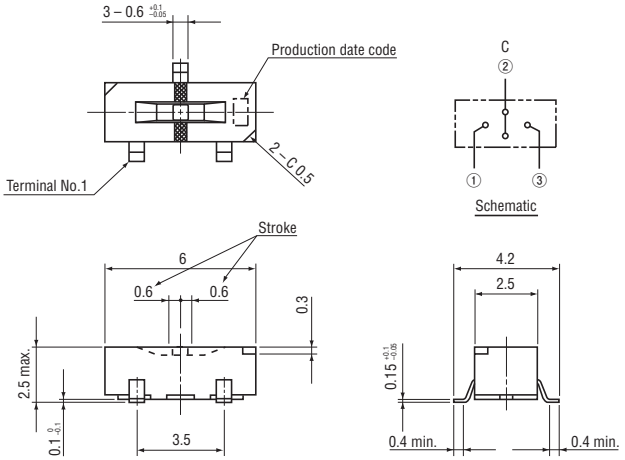
● CJS-1200B1



● CJS-1201A1



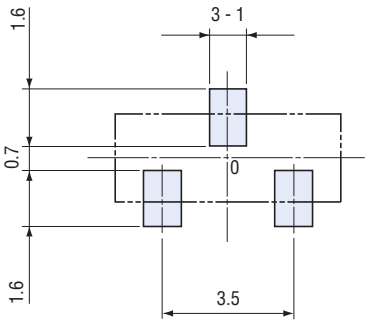
● CJS-1201B1



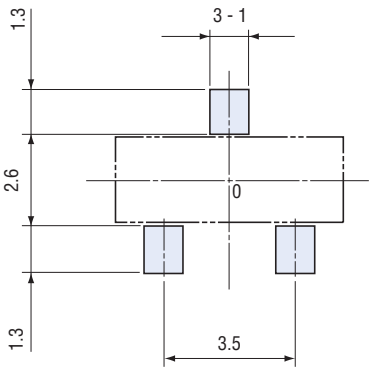
■ RECOMMENDED P.C.B. PAD OUTLINE DIMENSIONS

(Unit : mm)

A Type



B Type



Note) The zero point is the center of mounting.

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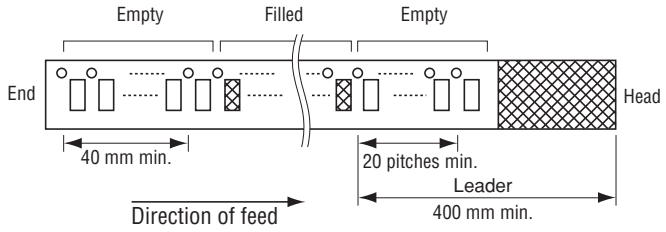
■ PACKAGING SPECIFICATIONS

<Taping packaging specifications>

- Taping version is packaged in 1000 pcs. per reel. Orders will be accepted for units of 1000 pcs., i.e., 1000, 2000, 3000 pcs., etc.
- Taping version is boxed with two reels (2000 pcs.).

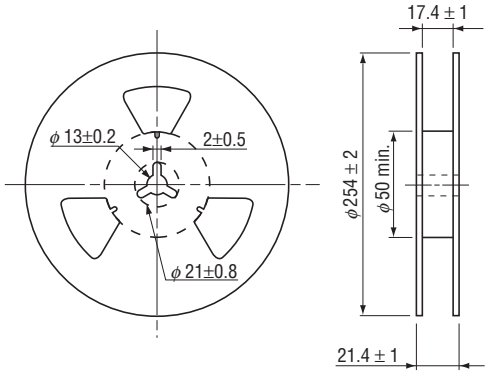
Maximum number of consecutive missing pieces=2
Leader length and reel dimension are shown in the diagrams below:

● Embossed tape dimensions



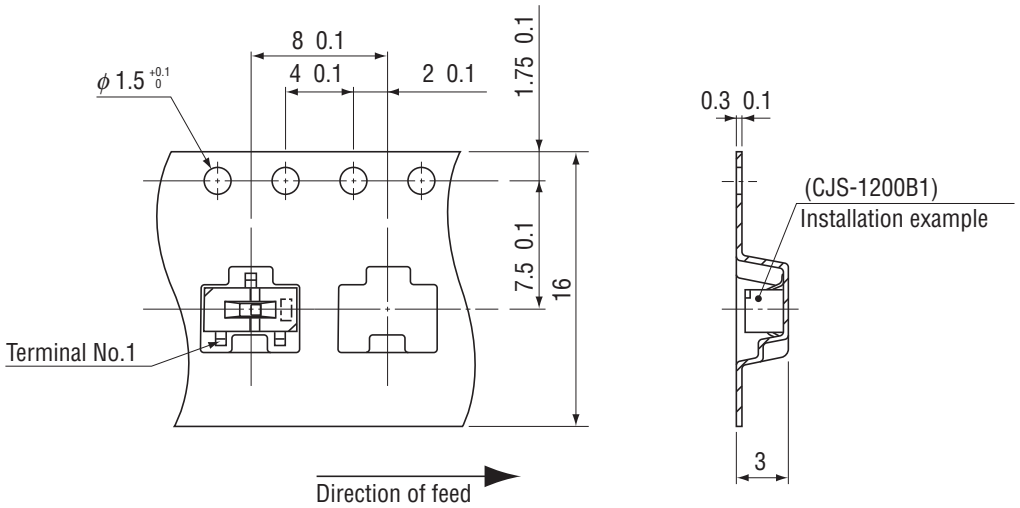
● Reel dimensions

(Unit: mm)
(Conforms to JIS C 0806)



● CJS-1200TA□ , 1200TB□ , 1201TA□ , 1201TB□

(Unit: mm)
(Conforms to JIS C 0806)



<Bulk pack specifications>

- Boxing of bulk pack in a plastic bag is performed with 100 pcs. (standard 500 pcs.) per box.