

CS-7

Slider contact

Fixed contact

Terminal pin

Housing

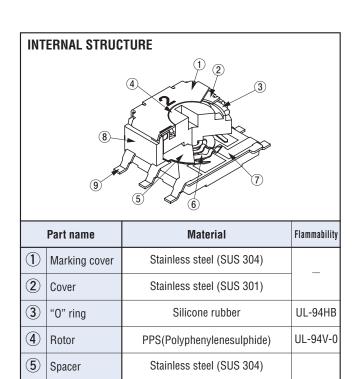
(7)

(8)



FEATURES

- RoHS compliant
- Easy position setting with wide switching angle
- High digit visibility
- Washable



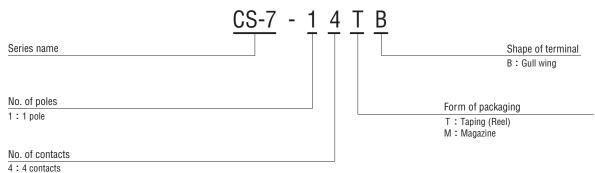
Copper alloy, Gold-plated

PPS(Polyphenylenesulphide)

Copper alloy, Gold-plated

UL-94V-0

PART NUMBER DESIGNATION



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



LIST OF PART NUMBERS

Circuit type	Setting position	Form of packaging	Gull wing	Pieces in package
1 pole 4 contacts	Top setting	Taping	CS-7-14TB	500 pcs./reel
		Magazine	CS-7-14MB	50 pcs./stick

Werify the above part numbers when placing orders. Taping and magazine version can be supplied only in reel or stick unit.

INSTANDARD SPECIFICATIONS

Circuit type	1 pole 4 contacts
Operating temperature range	−40 ~ 85 °C
Storage temperature range	
Sealing	Washable by "O"ring
Net weight	Approx. 0.38 g

MECHANICAL CHARACTERISTICS

No. of positions	4	
Adjustment torque	3~20 mN·m {31~204gf·cm}	
Stepping angle	90°	
Solderability	245 ± 3 °C, 2 ~ 3 s	
Soldering heat	Reflow: Peak temperature 250°C to 255 °C (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} 10s	

{ }: Reference only

ELECTRICAL CHARACTERISTICS

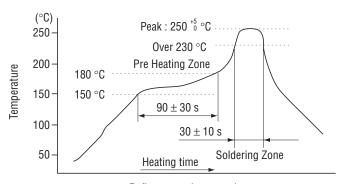
Contact rating Non-switching Switching Minimum	DC50 V 100 mA DC5 V 100 mA DC20 mV 1 μA	
Contact resistance	100 mΩ maximum	
Insulation resistance	1000 MΩ (DC100 V) minimum	
Dielectric strength	AC250 V, 60 s	

ENVIRONMENTAL CHARACTERISTICS

Vibration	Amplitude 1.5 mm or Acceleration 98 m/s², 10-500-10 Hz, 3 directions for 2 h each
Shock	490 m/s², 11 ms 6 directions for 3 times each
Load life	10000 steps minimum, DC5 V, 100 mA
Humidity (Steady state)	40 °C, Relative humidity 90 ~ 95 %, 240 h
High temperature exposure	85 °C, 96 h
Low temperature exposure	−40 °C, 96 h
Thermal shock	-40 (0.5 h) ~ 85 °C (0.5 h), 5 cycles



⟨Reflow profile for soldering heat evaluation⟩

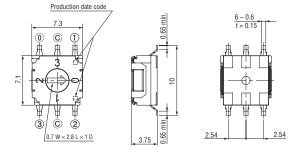


Reflow: two times maximum

OUTLINE DIMENSIONS

● CS-7-14B

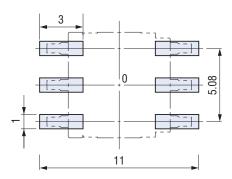
Unless otherwise specified, tolerance: \pm 0.3 (Unit: mm)



TRECOMMENDED P.C.B. PAD OUTLINE DIMENSIONS

● CS-7-14B

(Unit: mm)





■PACKAGING SPECIFICATIONS

<Taping packaging specifications>

- Taping version is packaged in 500 pcs. per reel.
 Orders will be accepted for units of 500 pcs., i.e., 500, 1000, 1500, pcs., etc.
- Taping version is boxed with one reel (500 pcs.).

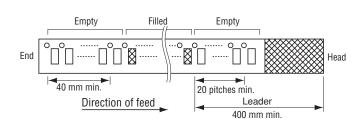
Maximum number of consecutive missing pieces = 2 Leader length and reel dimension are shown in the diagrams below:

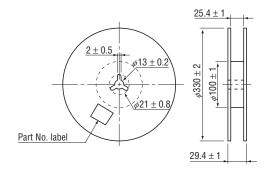
Embossed tape dimensions

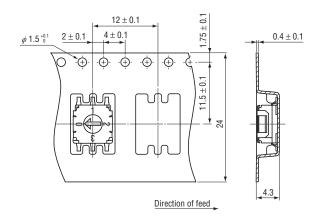
Reel dimensions

(Unit: mm)

(Conforms to JIS C 0806-3) (In accordance with EIAJ ET-7200A)









PACKAGING SPECIFICATIONS

<Magazine packaging specifications>

• Please order the multiple numbers of the specific packing quantities.

Pieces in package: 50 pcs./stick

Magazine dimensions

(Unit: mm)

