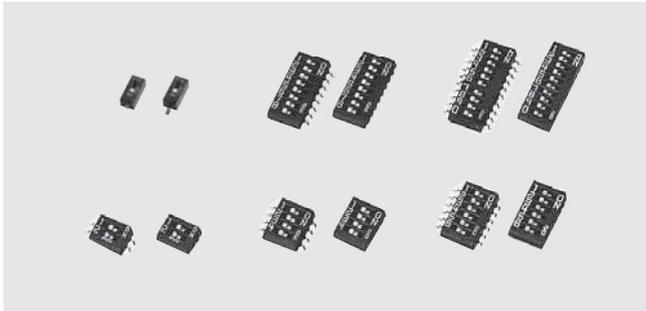


SLIDE SWITCHES (HALF PITCH)

CHS

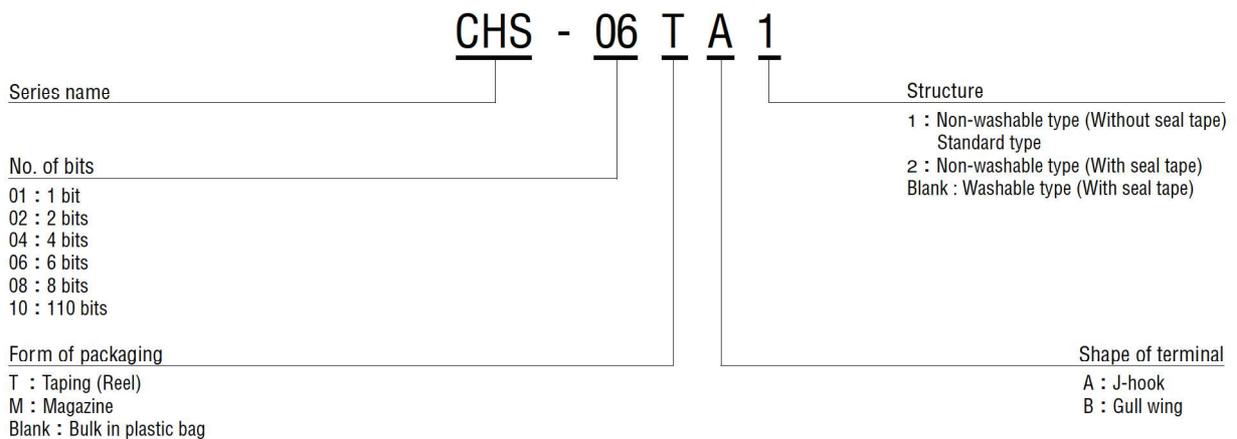


FEATURES

- RoHS compliant
- Meets EIAJ SOP standard outline dimensions (B type)
- Low profile design of 2.5 mm
- 12 types of 1, 2, 4, 6, 8 or 10 bit with either gull wing or J-hook available
- Excellent contact stability by twin Gold-plated contact

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		

PART NUMBER DESIGNATION



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

CHS

SLIDE SWITCHES (HALF PITCH)

STANDARD SPECIFICATIONS

Operating temp. range	- 40 ~ 85 °C
Storage temp. range	
Sealing	Washable type available with seal tape
Net weight	Approx. 0.05 g (CHS-01) Approx. 0.08 g (CHS-02) Approx. 0.12 g (CHS-04) Approx. 0.17 g (CHS-06) Approx. 0.22 g (CHS-08) Approx. 0.25 g (CHS-10)

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	50 mΩ maximum
Insulation resistance	1000 MΩ (DC100 V) minimum
Dielectric strength	AC500 V, 60 s

MECHANICAL CHARACTERISTICS

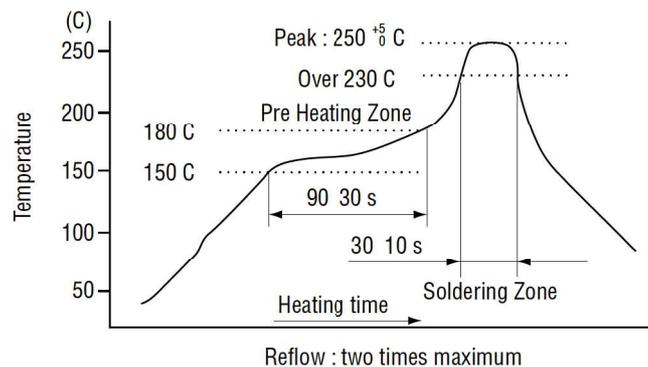
Operating force	0.5 ~ 5 N {0.05 ~ 0.51 kgf}
Stop strength	10 N {1.02 kgf}, 60 s
Solderability	245 ± 3 °C, 2 ~ 3 s
Soldering heat	Reflow : 255 °C (Peak temperature) (Please refer to the profile below)
	Manual soldering : 350 ± 10 °C, 3 ~ 4 s
Shear (Adhesion)	5 N {0.51 kgf} 10 s
Substrate bending	Width 90 mm, bend 3 mm, 5 s, 1 time
Pull-off strength	5 N {0.51 kgf} 10 s

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 2000 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

{ } : Reference only

<Reflow profile for soldering heat evaluation>



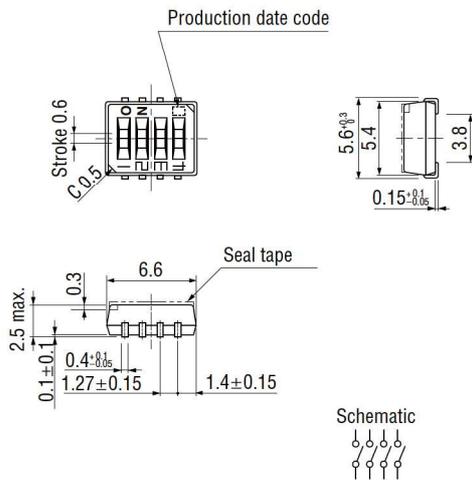
CHS

SLIDE SWITCHES (HALF PITCH)

OUTLINE DIMENSIONS

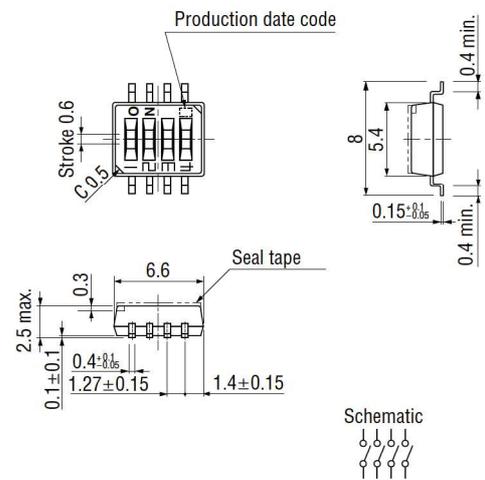
Unless otherwise specified, tolerance : ± 0.3 (Unit : mm)

- **CHS-04A**
Washable type (With seal tape)
- **CHS-04TA2**
Non-washable type (With seal tape)

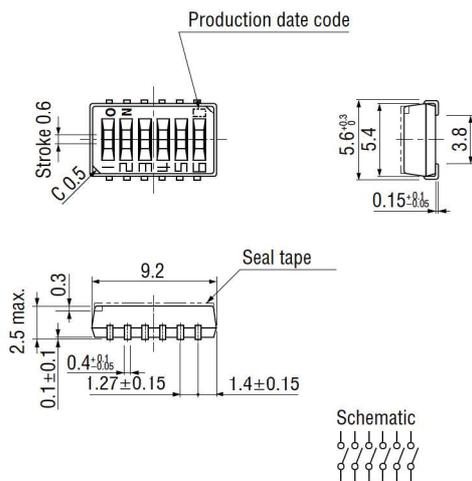


- **CHS-04B**
Washable type (With seal tape)
- **CHS-04TB2**
Non-washable type (With seal tape)

(In accordance with EIAJ ED-7402-1)

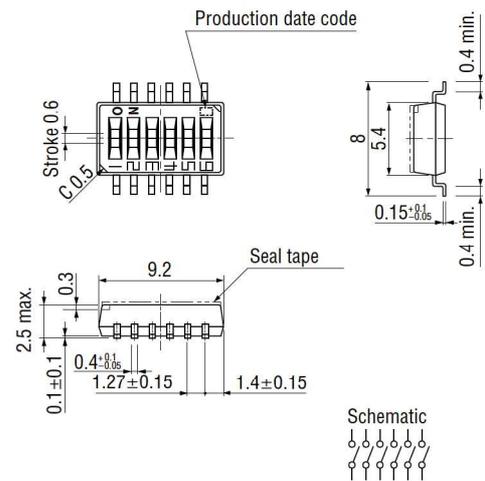


- **CHS-06A**
Washable type (With seal tape)
- **CHS-06TA2**
Non-washable type (With seal tape)



- **CHS-06B**
Washable type (With seal tape)
- **CHS-06TB2**
Non-washable type (With seal tape)

(In accordance with EIAJ ED-7402-1)



CHS

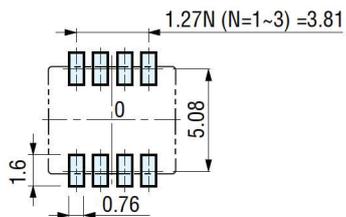
SLIDE SWITCHES (HALF PITCH)

RECOMMENDED P.C.B. PAD OUTLINE DIMENSIONS

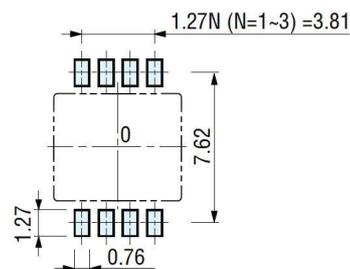
4 bits

(Unit : mm)

A type

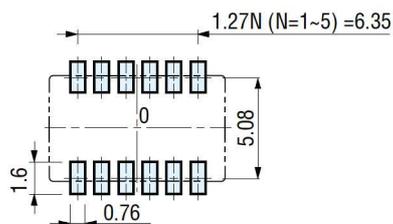


B type

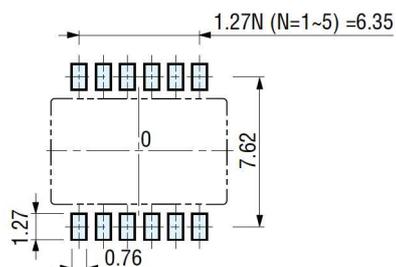


6 bits

A type

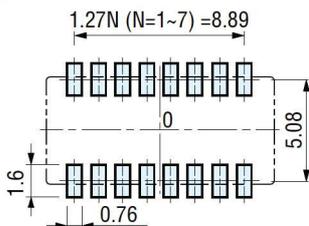


B type

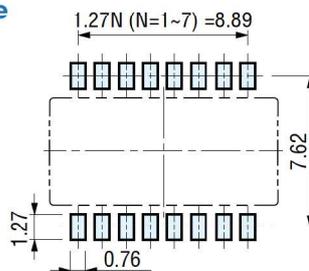


8 bits

A type

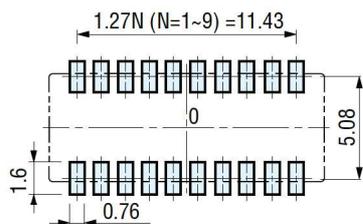


B type

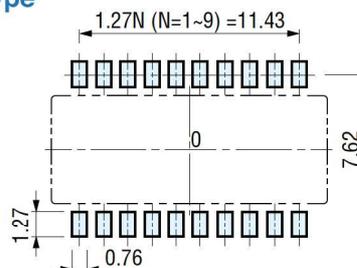


10 bits

A type



B type



Note) The zero point is the center of mounting.