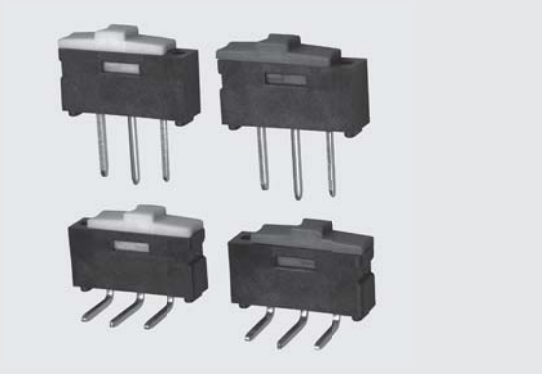
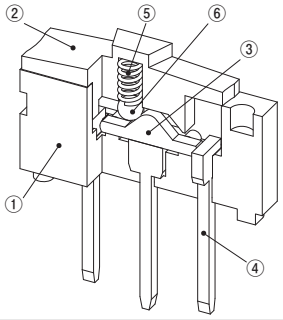
SLIDE SWITCHES

CL-SA

RoHS compliant



INTERNAL STRUCTURE



Part name	Material	Flammability
① Housing	Polyamido	UL94V-0
② Slider	Polyamido	UL94V-0
③ Slider contact	Copper alloy, Gold-plated	—
④ Terminal pin	Copper alloy, Gold-plated	—
⑤ Click spring	Stainless steel(SUS304)	—
⑥ Click ball	Stainless steel(SUS304)	—

FEATURES

- Correspond to rating current 500mA
- Possible to continue mounting with 2.54mm pitch
- RoHS compliant

PART NUMBER DESIGNATION

CL - SA - 1 2 C - 0 2 _

Series name

No. of bits
1 : 1 pole

No. of positions
2 : 2 positions

Shape of terminal
C : PC terminal
C4 : PC terminal-R/A(Right angle)

Form of packaging
Blank : Bulk in plastic bag

Contact material
2 : Gold

Knob length・Color
0 : Short・White
2 : Short・Red

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

CL-SA
SLIDE SWITCHES

LIST OF PART NUMBERS

No. of poles	No. of contacts	Contact material	Knob length・Color	Shape of terminal	Part number	From of packaging	Pieces in package
1	2	Gold	Short・White	PC terminal	CL-SA-12C-02	Plastic bag	50pcs./pack
			Short・Red		CL-SA-12C-22		
			Short・White	PC terminal-R/A	CL-SA-12C4-02		
			Short・Red		CL-SA-12C4-22		

STANDARD SPECIFICATIONS

Operating temp. range	– 40 ~ 85 °C
Storage temp. range	
Sealing	Non Washable

ELECTRICAL CHARACTERISTICS

Contact rating Non-switching Switching Minimum	DC50 V 500mA DC12 V 500mA DC20 mV 1μA
Initial contact resistance	22 mΩ maximum
Insulation resistance	10,000 MΩ minimum (DC100 V)
Dielectric strength	AC500 V 60 s

MECHANICAL CHARACTERISTICS

Stroke	1.6 mm	
Operation force	2.5 ± 1.5 N {0.26 ± 0.15kgf}	
Load life	Rated load	2,000 cycles
	No load	10,000 cycles
Soldering heat	Flow：260 °C±3 5 ~ 6 s 2 times max. ※Except a right angle(CL-SA-12C4-∗2)	
	Manual soldering： 380 ± 10 °C 3 ~ 4 s	

PACKAGING SPECIFICATION

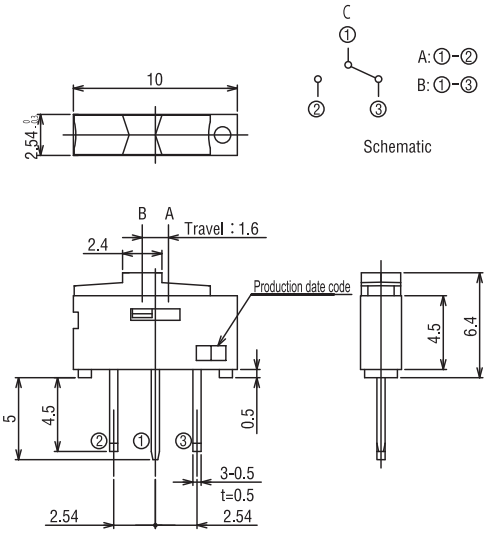
Plastic bag	50pcs./ pack

CL-SA
SLIDE SWITCHES

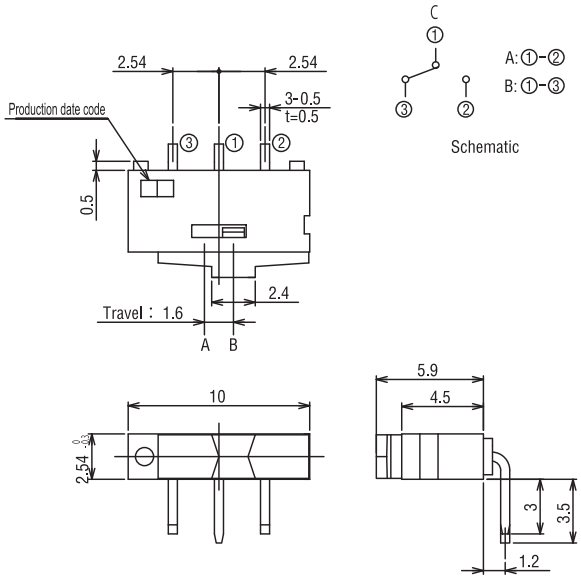
OUTLINE DIMESIONS

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

● CL-SA-12C-02
● CL-SA-12C-22



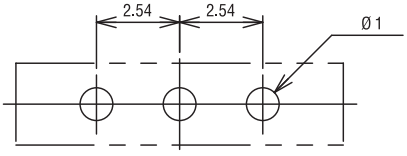
● CL-SA-12C4-02
● CL-SA-12C4-22



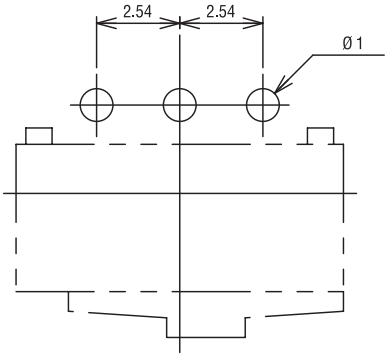
SIZE OF P.C.B. PROCESSING

(Unit : mm)

● CL-SA-12C-02
● CL-SA-12C-22



● CL-SA-12C4-02
● CL-SA-12C4-22



PACKAGING SPECIFICATIONS

<Bulk pack specifications>

- The smallest unit of bulk pack in plastic bag is 10 pcs. per pack. Orders will be accepted for unit of minimum 10 pcs., i.e., 10, 20, 30 pcs., etc.
- Boxing of bulk in a plastic bag is performed with 50 pcs. (standard 100 pcs.) per box.