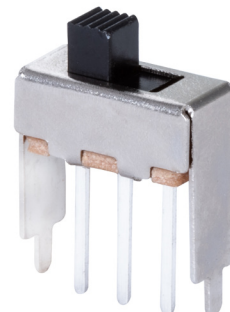


**MODEL:** SLW-121456-3A-N-D | **DESCRIPTION:** SLIDE SWITCH**FEATURES**

- SPDT
- non-shorting
- through hole

**SPECIFICATIONS**

| parameter             | conditions/description                              | min | typ    | max | units  |
|-----------------------|-----------------------------------------------------|-----|--------|-----|--------|
| rated voltage         |                                                     |     |        | 50  | Vdc    |
| rated current         |                                                     |     |        | 300 | mA     |
| withstanding voltage  | for 1 minute                                        |     | 500    |     | Vac    |
| contact resistance    | measured at 1 kHz at 100 mA or less                 |     |        | 100 | mΩ     |
| insulation resistance | at 500 Vdc for 1 minute                             | 100 |        |     | MΩ     |
| operating force       |                                                     | 100 | 200    | 300 | gf     |
| actuator travel       |                                                     | 3.0 | 3.2    | 3.4 | mm     |
| operating temperature |                                                     | -20 |        | 70  | °C     |
| storage temperature   |                                                     | -25 |        | 70  | °C     |
| life                  | at uniform rate of 15~18 cycles per minute, no load |     | 10,000 |     | cycles |
| vibration             | 10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ  |     |        |     |        |
| flammability rating   | see material table                                  |     |        |     |        |
| RoHS                  | yes                                                 |     |        |     |        |

Notes: 1. All specifications measured at 5~35°C, humidity at 25~85%, under 86~106 kPa pressure, unless otherwise noted.

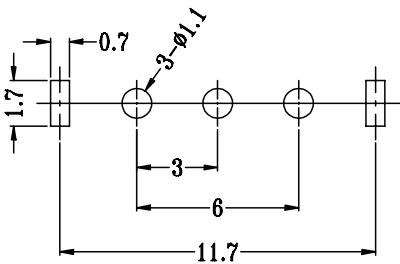
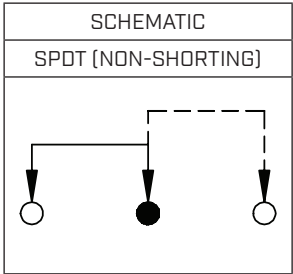
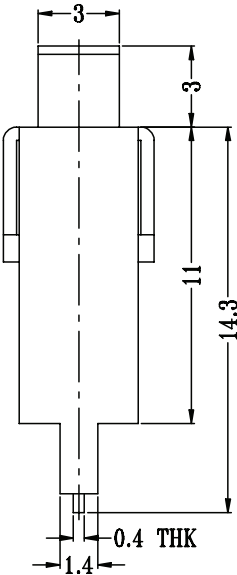
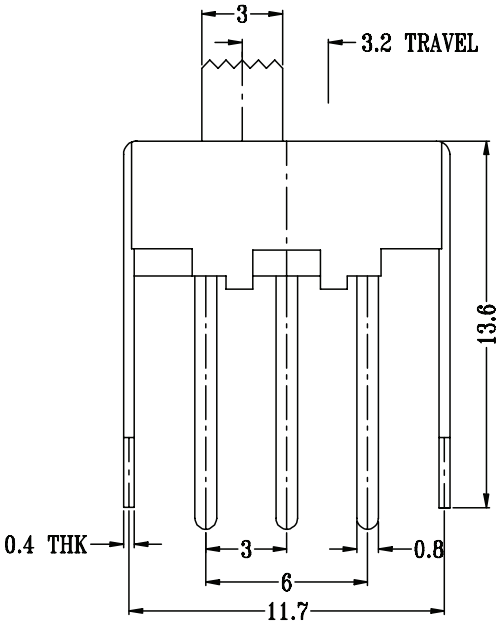
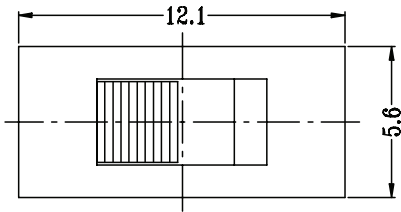
**SOLDERABILITY**

| parameter          | conditions/description                                                                                                                                                                                                                  | min | typ | max | units |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----|-----|-------|
| hand soldering     | for 3±0.5 seconds                                                                                                                                                                                                                       | 340 | 350 | 360 | °C    |
| wave soldering     | for 10±1 seconds                                                                                                                                                                                                                        | 255 | 260 | 265 | °C    |
| storage conditions | -5~35°C, 25~80% humidity (avoid high temperature/<br>humidity, corrosive gases, and direct sunlight)<br>unopened for over 12 months: ensure there is no terminal<br>oxidation, blackening, no moisture absorption, and is<br>solderable |     |     |     |       |

MECHANICAL DRAWING

units: mm  
tolerance: ±0.20 mm  
unless otherwise specified  
PCB thickness: 1.6 mm

| DESCRIPTION  | MATERIAL                  | PLATING/COLOR |
|--------------|---------------------------|---------------|
| frame        | steel strip               | nickel        |
| knob         | PA66 [UL94HB]             | black         |
| base         | phenolic resin            | natural       |
| terminal     | brass strip               | silver        |
| contact clip | phosphorus copper [C5191] | silver        |
| spring plate | PBS strip                 | natural       |



Recommended PCB Layout  
Top View

REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 05/29/2024 |

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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