


**MODEL:** SLW-1277545-3A-RA-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       |   | 150 | 250 | 350    | gf     |
| actuator travel       |   | 3.5 | 4   | 4.5    | 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.

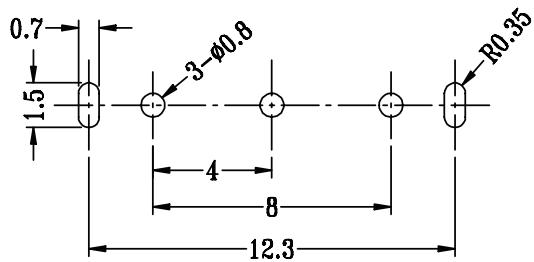
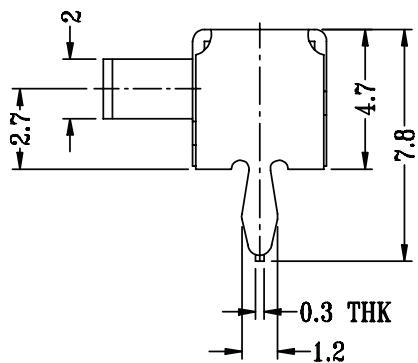
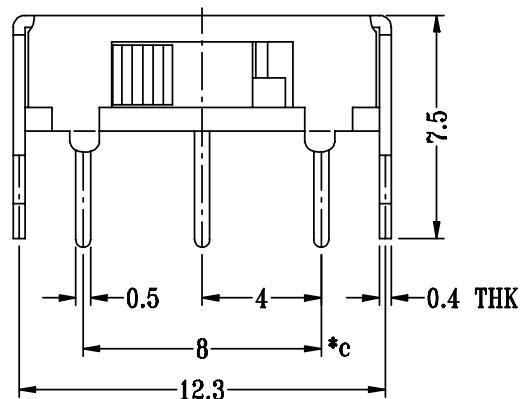
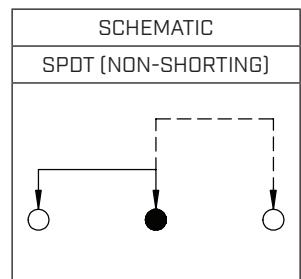
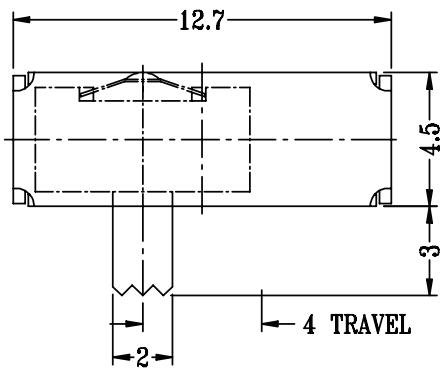
## SOLDERABILITY

| 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/humidity, corrosive gases, and direct sunlight)<br>unopened for over 12 months: ensure there is no terminal oxidation, blackening, no moisture absorption, and is solderable |     |     |     |       |

## MECHANICAL DRAWING

units: mm  
 tolerance:  $\pm 0.30$  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 [C5210] | silver        |
| spring plate | PBS strip                 | natural       |



Recommended PCB Layout  
Top View

## REVISION HISTORY

| rev. | description                       | date       |
|------|-----------------------------------|------------|
| 1.0  | initial release                   | 06/11/2024 |
| 1.01 | CUI Devices rebranded to Same Sky | 09/12/2024 |

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



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

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