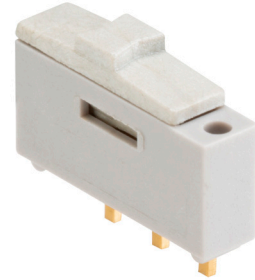


**MODEL:** MSS-102545-14A-V-SMT | **DESCRIPTION:** MINI SLIDE SWITCH**FEATURES**

- gray raised actuator
- gray body
- vertical surface mount

**SPECIFICATIONS**

| parameter             | conditions/description                                    | min    | typ             | max        | units            |
|-----------------------|-----------------------------------------------------------|--------|-----------------|------------|------------------|
| rated voltage         |                                                           |        |                 | 12<br>24   | Vdc<br>Vdc       |
| rated current         | at 12 Vdc<br>at 24 Vdc                                    | 1<br>1 |                 | 500<br>300 | mA<br>mA         |
| withstanding voltage  | for 1 minute                                              |        | 500             |            | Vac              |
| contact resistance    |                                                           |        |                 | 30         | mΩ               |
| insulation resistance | at 500 Vdc                                                | 10,000 |                 |            | MΩ               |
| operating force       |                                                           | 100    | 250             | 400        | gf               |
| actuator travel       |                                                           |        | 1.6             |            | mm               |
| operating temperature |                                                           | -40    |                 | 85         | °C               |
| storage temperature   |                                                           | -40    |                 | 85         | °C               |
| life                  | with load<br>without load                                 |        | 2,000<br>10,000 |            | cycles<br>cycles |
| flammability rating   | UL94V-0                                                   |        |                 |            |                  |
| RoHS                  | yes                                                       |        |                 |            |                  |
| packaging             | bulk, 200 pcs per bag<br>tape and reel, 1500 pcs per reel |        |                 |            |                  |

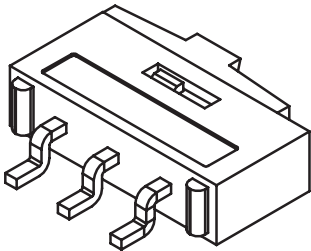
**PART NUMBER KEY****MSS - 102545 - 14A - V - SMT - XX**

Base Number

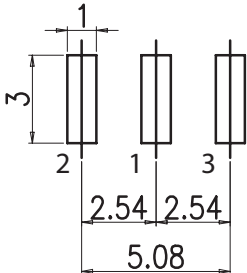
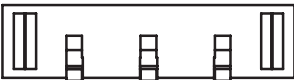
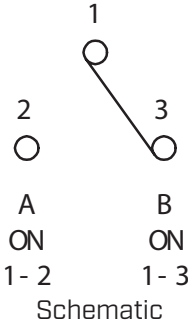
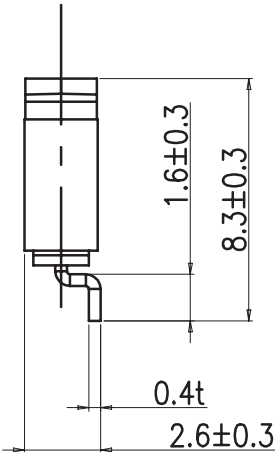
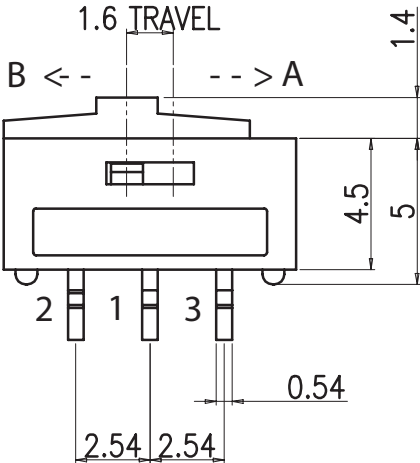
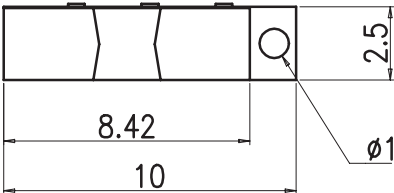
Packaging:  
"blank" = bag  
TR = tape and reel

MECHANICAL DRAWING

units: mm  
tolerance: ±0.3 mm  
unless otherwise noted



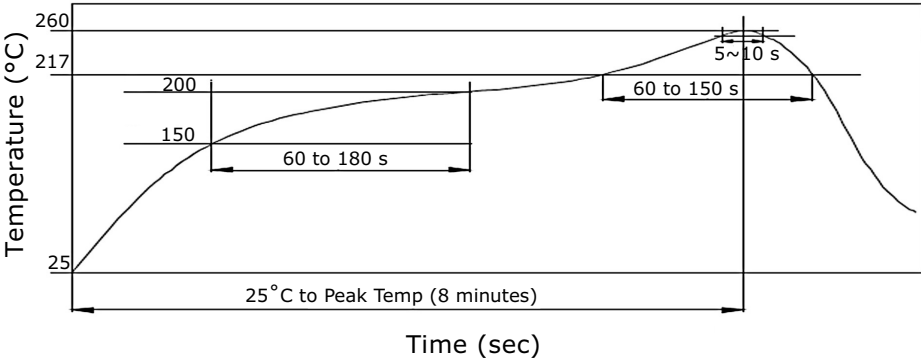
| ITEM | DESCRIPTION | MATERIAL       | PLATING/COLOR |
|------|-------------|----------------|---------------|
| 1    | actuator    | PA66 [UL94V-0] | gray          |
| 2    | housing     | PA66 [UL94V-0] | gray          |
| 3    | terminals   | nickel         | gold          |



Recommended PCB Layout  
Top View

SOLDERABILITY

| parameter        | conditions/description | min | typ | max | units |
|------------------|------------------------|-----|-----|-----|-------|
| reflow soldering | see graph below        |     |     | 260 | °C    |

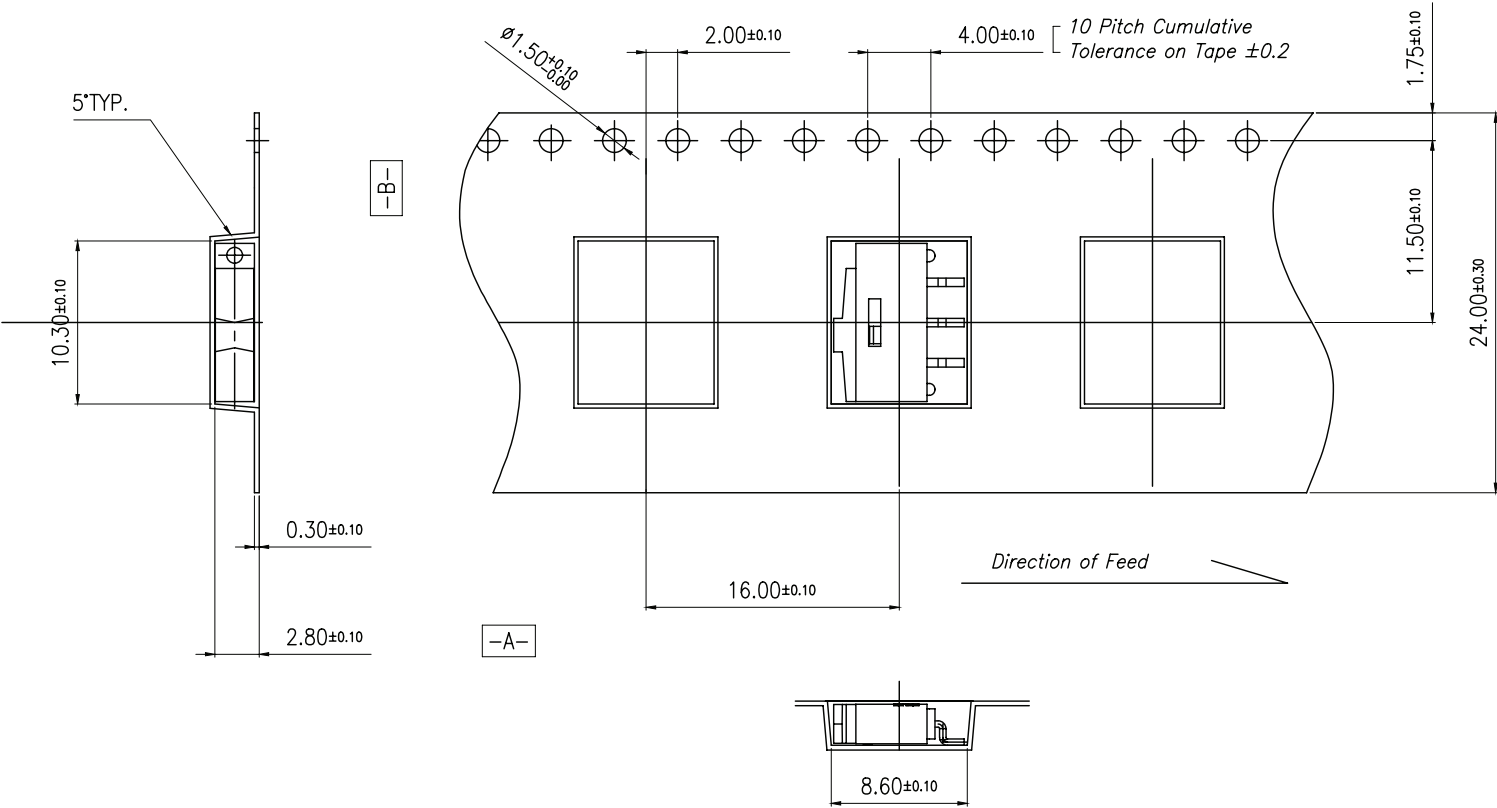


PACKAGING (TAPE & REEL)

units: mm

Reel Size: Ø330 mm

Reel QTY: 1,500 pcs per reel



REVISION HISTORY

| rev. | description                          | date       |
|------|--------------------------------------|------------|
| 1.0  | initial release                      | 02/19/2021 |
| 1.01 | logo, datasheet style update         | 08/05/2022 |
| 1.02 | updated datasheet                    | 07/28/2023 |
| 1.03 | added tape and reel packaging option | 10/31/2023 |
| 1.04 | 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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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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