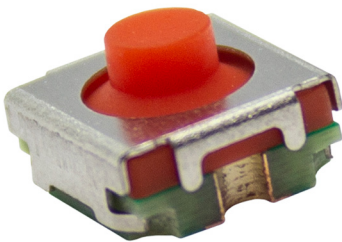




**MODEL:** TS37-6368-41-R-400-SMT-TR | **DESCRIPTION:** TACTILE SWITCH

**FEATURES**

- 16 V
- 400 gf



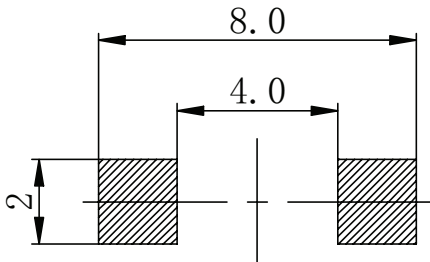
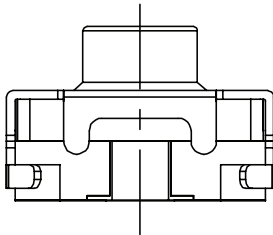
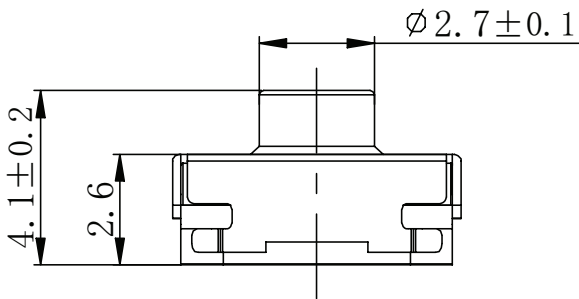
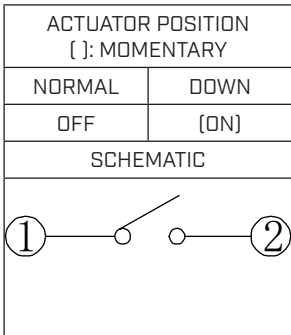
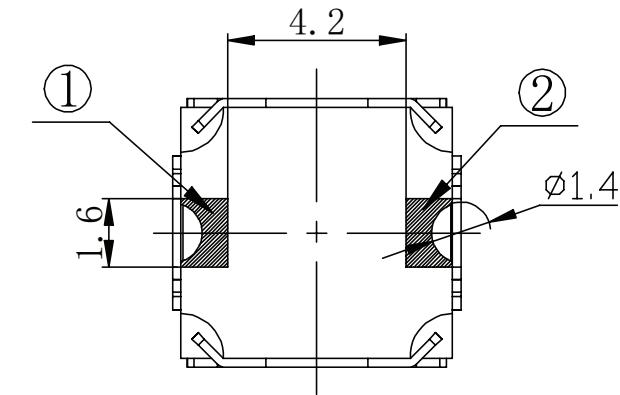
**SPECIFICATIONS**

| parameter             | conditions/description                                   | min  | typ     | max  | units  |
|-----------------------|----------------------------------------------------------|------|---------|------|--------|
| rated voltage         |                                                          | 1    |         | 16   | Vdc    |
| rated current         |                                                          | 0.01 |         | 50   | mA     |
| withstanding voltage  | for 1 minute                                             |      | 250     |      | Vac    |
| contact resistance    | applying load of 2 times operating force at 5 Vdc, 10 mA |      |         | 100  | mΩ     |
| insulation resistance | at 100 Vdc for 1 minute                                  | 100  |         |      | MΩ     |
| operating force       |                                                          | 320  | 400     | 480  | gf     |
| return force          |                                                          | 50   |         |      | gf     |
| actuator travel       |                                                          | 0.60 | 0.75    | 0.90 | mm     |
| operating temperature |                                                          | -40  |         | 90   | °C     |
| storage temperature   |                                                          | -40  |         | 90   | °C     |
| life                  | 5 Vdc, 5 mA, 2 cycles/second, max operating force        |      | 200,000 |      | cycles |
| vibration             | 10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ       |      |         |      |        |
| flammability rating   | see material table                                       |      |         |      |        |
| RoHS                  | yes                                                      |      |         |      |        |

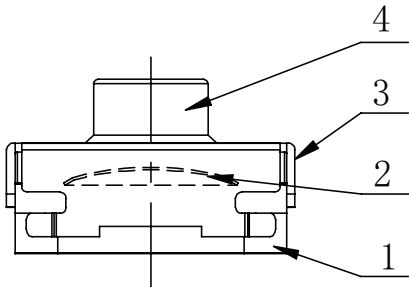
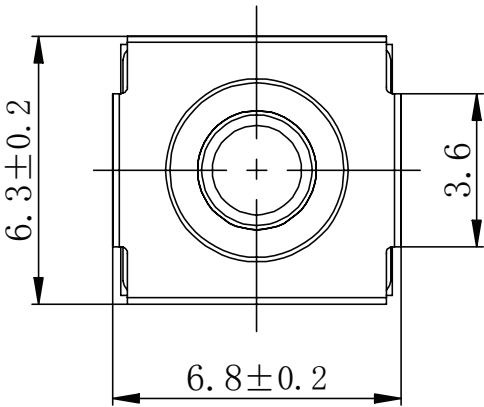
MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm  
unless otherwise noted

| ITEM | DESCRIPTION | MATERIAL | PLATING/COLOR  |
|------|-------------|----------|----------------|
| 1    | housing     | FR-4     | immersion gold |
| 2    | contact     | SUS      | silver         |
| 3    | cover       | SUS      | --             |
| 4    | stem        | silicone | red            |

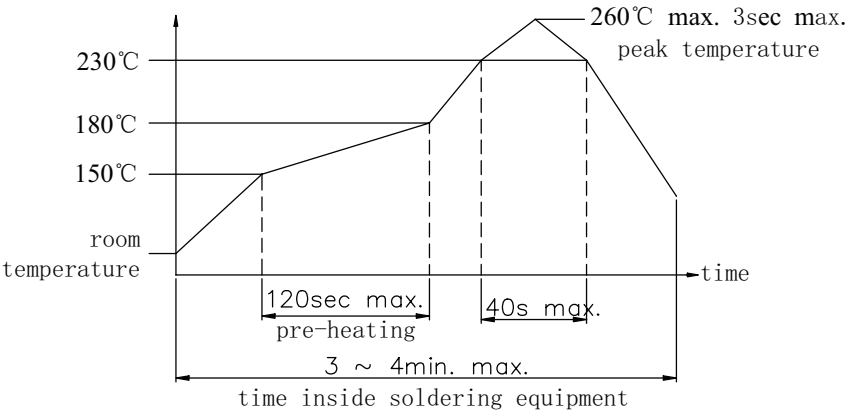


Recommended PCB Layout  
Top View



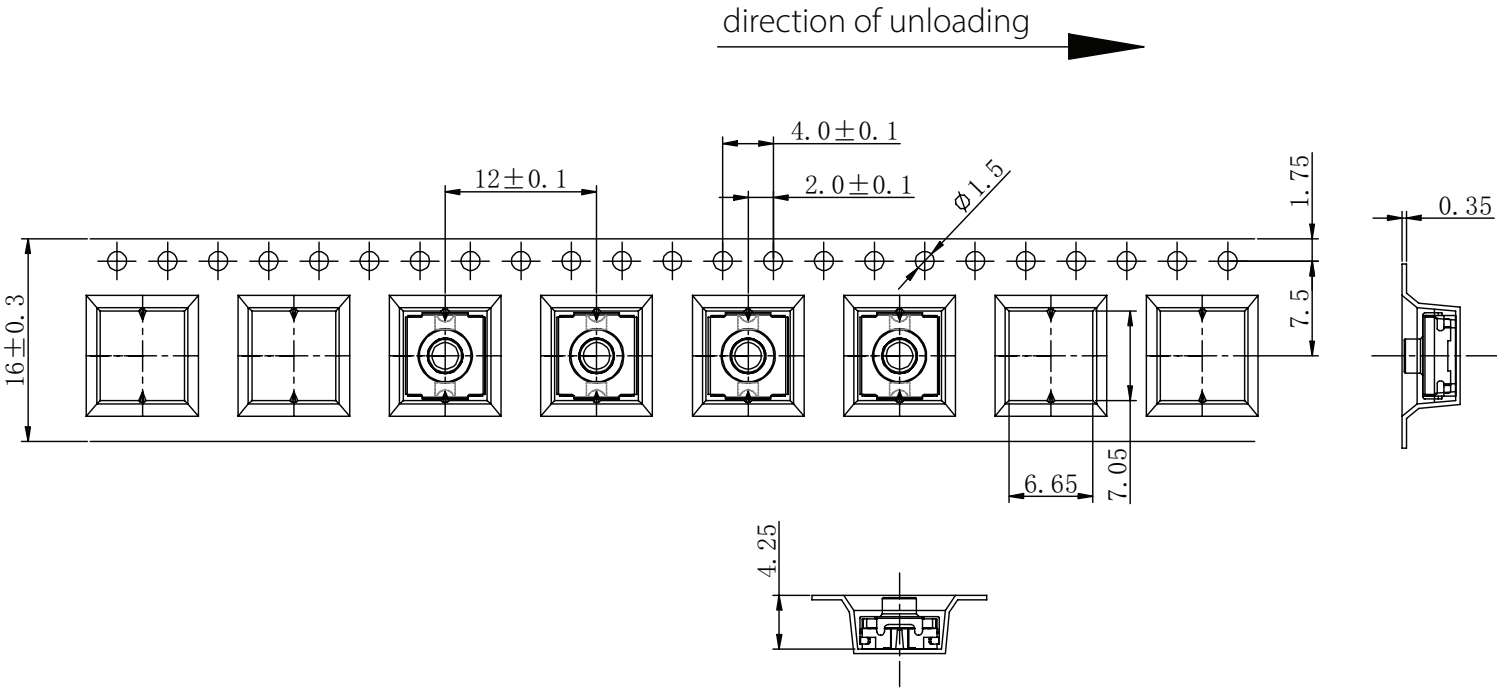
SOLDERABILITY

| parameter        | conditions/description | min | typ | max | units |
|------------------|------------------------|-----|-----|-----|-------|
| hand soldering   | for maximum 3 seconds  |     |     | 350 | °C    |
| reflow soldering | see reflow profile     |     |     | 260 | °C    |



PACKAGING

units: mm  
Reel Size: Ø330 mm  
Reel QTY: 1,300 pcs per reel



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 11/20/2025 |

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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