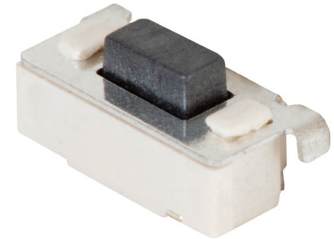


**SERIES:** TS32 | **DESCRIPTION:** TACTILE SWITCH**FEATURES**

- right angle
- with & without boss
- halogen & halogen free

**SPECIFICATIONS**

| parameter             | conditions/description                                                                       | min        | typ               | max        | units            |
|-----------------------|----------------------------------------------------------------------------------------------|------------|-------------------|------------|------------------|
| rated voltage         |                                                                                              | 1          |                   | 12         | Vdc              |
| rated current         |                                                                                              | 0.01       |                   | 50         | mA               |
| withstanding voltage  | for 1 minute                                                                                 |            | 250               |            | Vac              |
| contact resistance    |                                                                                              |            |                   | 100        | mΩ               |
| insulation resistance | at 100 Vdc                                                                                   | 100        |                   |            | MΩ               |
| operating force       | 160 gf models<br>260 gf models                                                               | 110<br>190 | 160<br>260        | 210<br>330 | gf<br>gf         |
| return force          |                                                                                              | 30         |                   |            | gf               |
| actuator travel       |                                                                                              | 0.15       | 0.25              | 0.35       | mm               |
| operating temperature |                                                                                              | -40        |                   | 85         | °C               |
| storage temperature   |                                                                                              | -40        |                   | 85         | °C               |
| life                  | at 5 Vdc, 5 mA, 2 cycles/second, 1.5 times operating force<br>160 gf models<br>260 gf models |            | 100,000<br>50,000 |            | cycles<br>cycles |
| vibration             | 10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ                                           |            |                   |            |                  |
| flammability rating   | see material table                                                                           |            |                   |            |                  |
| RoHS                  | yes                                                                                          |            |                   |            |                  |

**PART NUMBER KEY**

**TS32 - 7 - 35 - BK - X - XXX - RA - X - SMT - TR**

Base Number

Boss:  
'blank' = no boss  
B = with boss

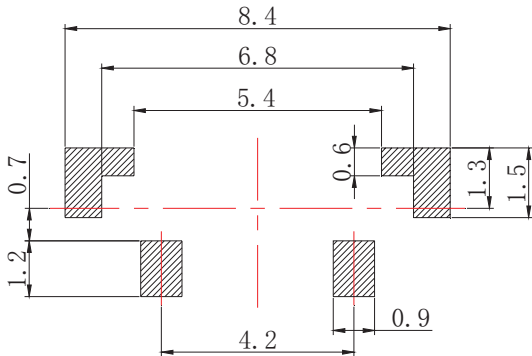
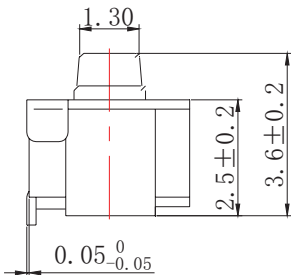
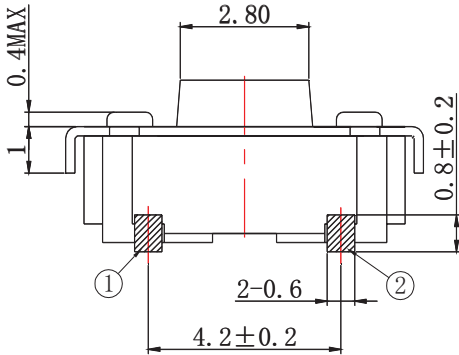
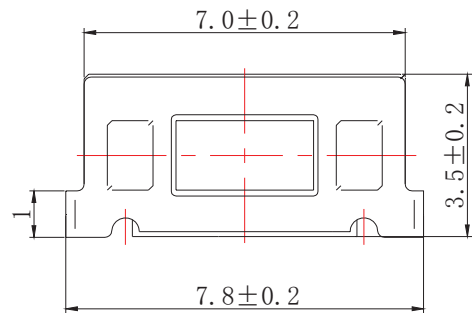
Actuator Force (gf):  
160 = 160  
260 = 260

Halogen Free:  
'blank' = with halogen  
H = halogen free

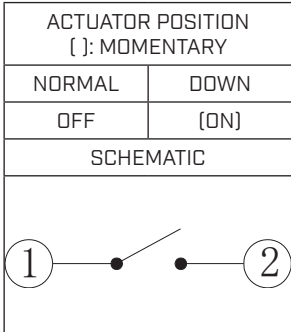
MECHANICAL DRAWING (NO BOSS)

units: mm  
tolerance:  
L≤10: ±0.3  
10<L≤100: ±0.5  
100<L: ±0.6  
unless otherwise specified

| DESCRIPTION | MATERIAL        | PLATING/COLOR |
|-------------|-----------------|---------------|
| housing     | LCP             | white         |
| terminal    | brass           | silver        |
| dome        | stainless steel | silver        |
| cover       | brass           | tin           |
| stem        | LCP             | black         |



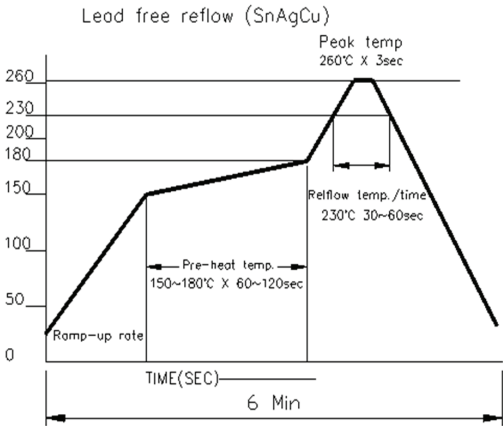
Recommended PCB Layout  
Top View





SOLDERABILITY

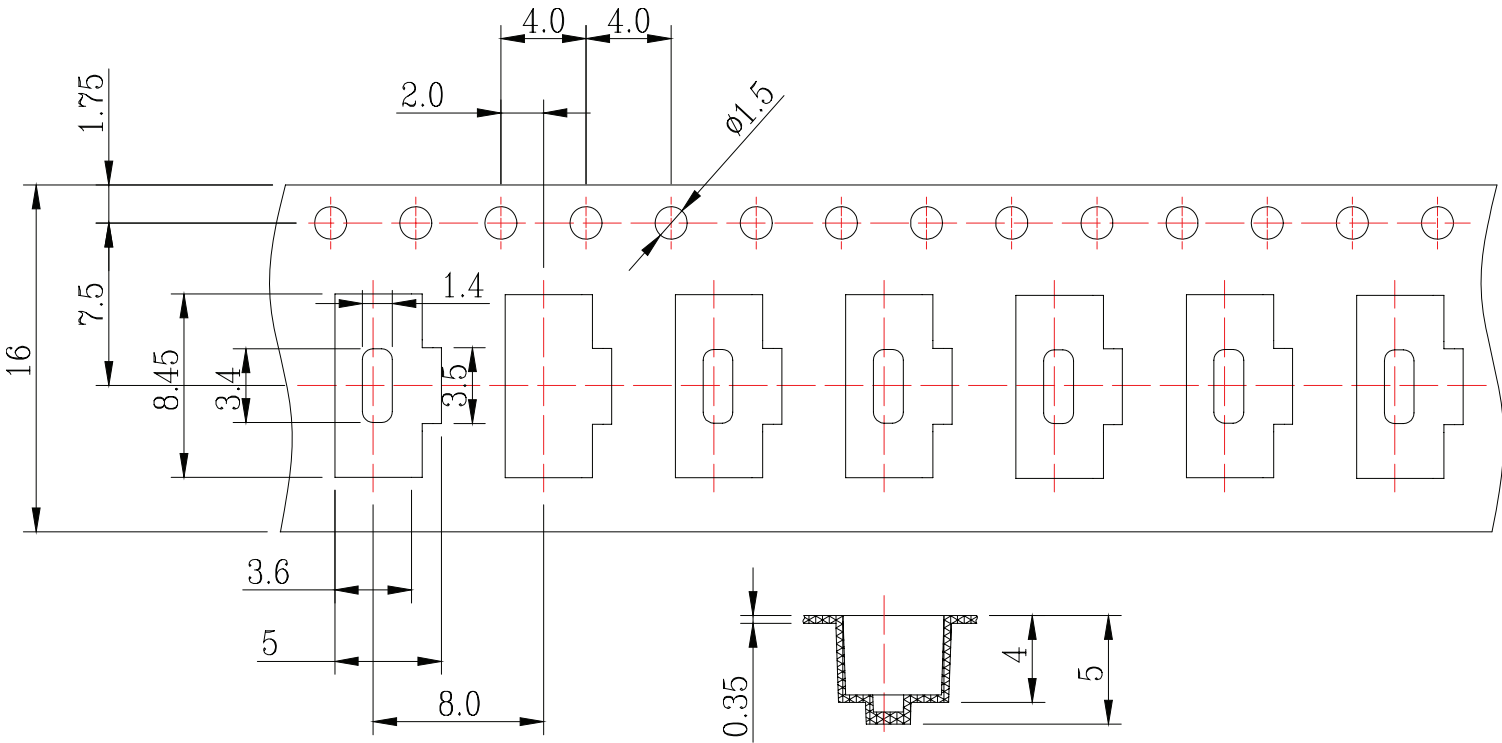
| parameter        | conditions/description | min | typ | max | units |
|------------------|------------------------|-----|-----|-----|-------|
| reflow soldering |                        |     | 260 |     | °C    |



PACKAGING

units: mm

Reel QTY: 2,000 pcs



REVISION HISTORY

| rev. | description     | date       |
|------|-----------------|------------|
| 1.0  | initial release | 12/09/2024 |

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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