

## SPECIFICATIONS

|                       |                                              |
|-----------------------|----------------------------------------------|
| Electrical Ratings    | 50mA @ 48VDC                                 |
| Electrical Life       | 100,000 cycles typical                       |
| Contact Resistance    | < 50 mΩ initial                              |
| Actuation Force       | 100 +/- 50gF<br>160 +/- 30gF<br>260 +/- 50gF |
| Actuator Travel       | .25 +/- .1mm                                 |
| Dielectric Strength   | 1000Vrms min                                 |
| Insulation Resistance | > 1000MΩ min                                 |
| Operating Temperature | -40°C to 85°C                                |
| Storage Temperature   | -40°C to 85°C                                |



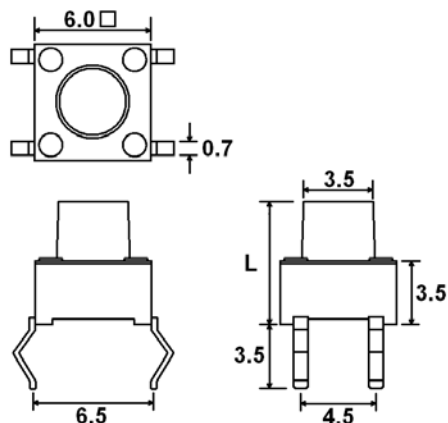
## MATERIALS ←RoHS COMPLIANT

|           |                                |
|-----------|--------------------------------|
| Actuator  | 6/6 Nylon                      |
| Housing   | 6/6 Nylon                      |
| Cover     | Polyester                      |
| Contacts  | Phosphor Bronze, Silver Plated |
| Terminals | Brass, Silver Plated           |

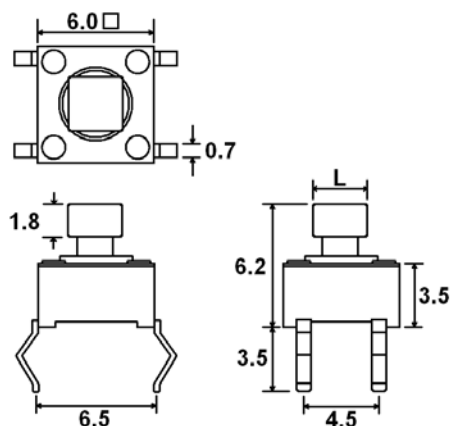
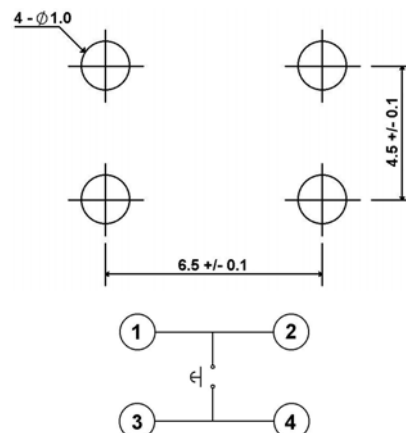
## ORDERING INFORMATION

|                                     |                                           |            |             |             |
|-------------------------------------|-------------------------------------------|------------|-------------|-------------|
| <b>1. Series:</b>                   | <b>CT1102</b>                             | <b>5.0</b> | <b>F160</b> | <b>C053</b> |
| CT1102 = Standard                   |                                           |            |             |             |
| CT1102P = w/ grounding pin          |                                           |            |             |             |
| <b>2. Actuator Length "L" (mm):</b> |                                           |            |             |             |
| 4.3                                 |                                           |            |             |             |
| 5.0                                 |                                           |            |             |             |
| 7.0                                 |                                           |            |             |             |
| 7.5                                 |                                           |            |             |             |
| 8.0                                 |                                           |            |             |             |
| 9.5                                 |                                           |            |             |             |
| 11.0                                |                                           |            |             |             |
| 11.5                                |                                           |            |             |             |
| 12.0                                |                                           |            |             |             |
| 13.0                                |                                           |            |             |             |
| 14.5                                |                                           |            |             |             |
| 15.0                                |                                           |            |             |             |
| 17.0                                |                                           |            |             |             |
| S2.4 Square actuator head           |                                           |            |             |             |
| S2.8 Square actuator head           |                                           |            |             |             |
| <b>3. Actuation Force:</b>          |                                           |            |             |             |
| F100 = 100gF                        |                                           |            |             |             |
| F160 = 160gF                        |                                           |            |             |             |
| F260 = 260gF                        |                                           |            |             |             |
| <b>4. Cap Options:</b>              | <b>Cap Colors:</b>                        |            |             |             |
| Blank = No Cap                      |                                           |            |             |             |
| C01                                 | ** See Cap Options for color availability |            |             |             |
| C02                                 | ** Caps available with S2.8 actuator only |            |             |             |
| C03                                 |                                           |            |             |             |
| C04                                 |                                           |            |             |             |
| C05                                 |                                           |            |             |             |

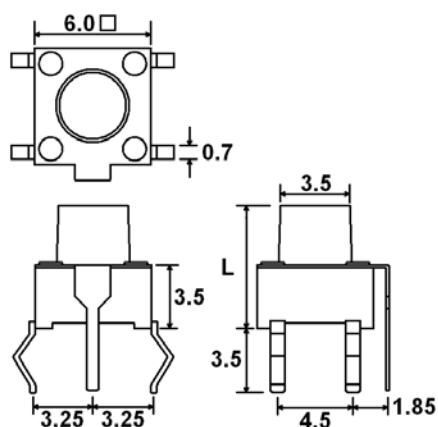
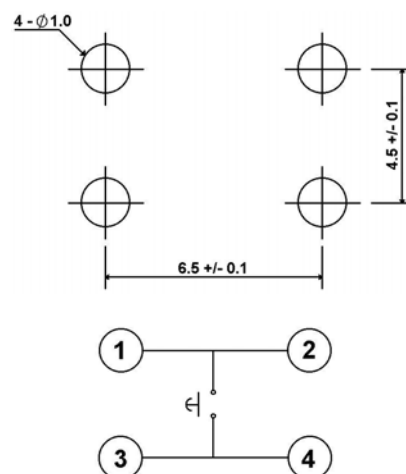
## DIMENSIONS



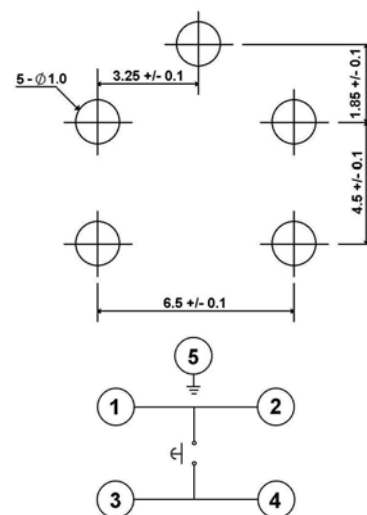
| Part Number | "L" (mm) |
|-------------|----------|
| CT11024.3   | 4.3      |
| CT11025.0   | 5.0      |
| CT11027.0   | 7.0      |
| CT11027.5   | 7.5      |
| CT11028.0   | 8.0      |
| CT11029.5   | 9.5      |
| CT110211.0  | 11.0     |
| CT110211.5  | 11.5     |
| CT110212.0  | 12.0     |
| CT110213.0  | 13.0     |
| CT110214.5  | 14.5     |
| CT110215.0  | 15.0     |
| CT110217.0  | 17.0     |



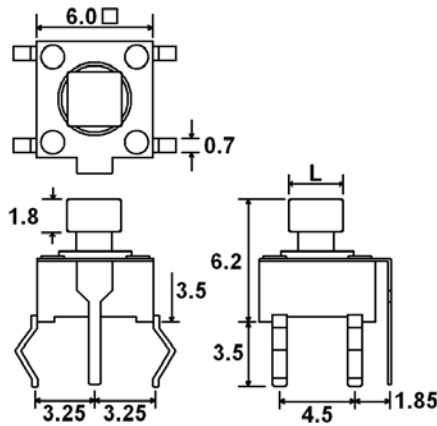
| Part Number | "□" (mm) |
|-------------|----------|
| CT1102S2.4  | 2.4      |
| CT1102S2.8  | 2.8      |



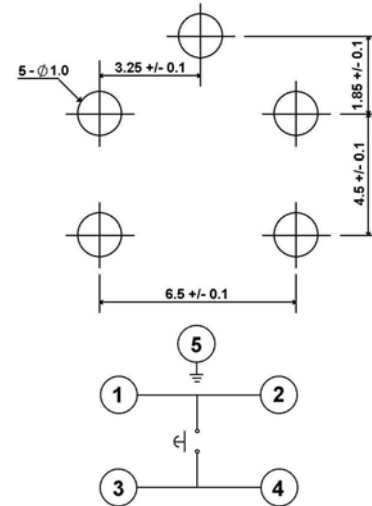
| Part Number | "L" (mm) |
|-------------|----------|
| CT1102P4.3  | 4.3      |
| CT1102P5.0  | 5.0      |
| CT1102P7.0  | 7.0      |
| CT1102P7.5  | 7.5      |
| CT1102P8.0  | 8.0      |
| CT1102P9.5  | 9.5      |
| CT1102P11.0 | 11.0     |
| CT1102P11.5 | 11.5     |
| CT1102P12.0 | 12.0     |
| CT1102P13.0 | 13.0     |
| CT1102P14.5 | 14.5     |
| CT1102P15.0 | 15.0     |
| CT1102P17.0 | 17.0     |



## DIMENSIONS



| Part Number | "□" (mm) |
|-------------|----------|
| CT1102PS2.4 | 2.4      |
| CT1102PS2.8 | 2.8      |



## CAP OPTIONS ←FOR S2.8 ACTUATOR

|                                                                                                            |  |                                                                                                            |  |                                                                                                            |  |
|------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|
|                                                                                                            |  |                                                                                                            |  |                                                                                                            |  |
| <b>C01_</b><br>1 = White, 2 = Black, 3 = Red, 9 = Light Gray<br>Contact Factory for other available colors |  | <b>C02_</b><br>1 = White, 2 = Black, 3 = Red, 9 = Light Gray<br>Contact Factory for other available colors |  | <b>C03_</b><br>1 = White, 2 = Black, 3 = Red, 9 = Light Gray<br>Contact Factory for other available colors |  |

|                                                                                                            |  |                                                                                                            |  |
|------------------------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------|--|
|                                                                                                            |  |                                                                                                            |  |
| <b>C04_</b><br>1 = White, 2 = Black, 3 = Red, 9 = Light Gray<br>Contact Factory for other available colors |  | <b>C05_</b><br>1 = White, 2 = Black, 3 = Red, 9 = Light Gray<br>Contact Factory for other available colors |  |