

# KT Series

## Right Angle Sealed Tact Switch for SMT



### Features/Benefits

- High shear force with extended bracket
- Easy to pick & place with top plate tab
- Rubber or hard plastic actuator
- Press fit or snap fit caps

### Typical Applications

- Telecommunications
- Computer products
- Instrumentation
- Power supply

### Specification

CONTACT ARRANGEMENT: SPST, N.O.  
TERMINALS: Gullwing type for SMT

### Electrical

CONTACT RATING: 1.0 VA max. @ 50 V AC or DC max.  
ELECTRICAL & MECHANICAL LIFE: 100,000 make-and-break cycles at full load.  
DIELECTRIC STRENGTH: 250 Vrms min. @ sea level.  
CONTACT RESISTANCE: Below 50 mΩ typ. initial @ 2-4 V DC, 100 mA.  
INSULATION RESISTANCE: 10<sup>9</sup> Ω min.

### Environmental

OPERATING TEMPERATURE: -40°C to 90°C

### Process

SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).  
DEGREE OF PROTECTION: IP57; protection against harmful dust deposits, full-scale voltage protection, temporary immersion.

### Packaging

Switches supplied in rigid dispensing tubes or anti-static tape and reels per EIA 481-2 (800 pieces per reel.). Tape and cover strip are conductive for use near statically sensitive components.

**NOTE:** Specifications listed above are for switches with standard options.  
For information on specific and custom switches, consult Customer Service Center.

### How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

#### SWITCH

##### Actuator

- B0** Soft, flush
- B1** Soft, 0,64 mm
- B2** Soft, 2,24 mm
- P2** Hard, 2,36 mm
- P3** Hard, 1,50 mm
- P4** Hard, 3,96 mm
- S1** ø0,1 mm for caps
- S2** ø0,14 mm with anti-rotation

##### Orientation

- S** Side actuated

##### Mounting Bracket

- AM** Right angle
- A1M** Right angle with front solder pad
- A2M** Right angle with front solder pad pick & place tab
- A3M** Right angle with pick & place tab

##### Contact Plating

- 1** Silver
- 3** Gold

##### Actuating Force

- 3** 3 N (300 grams)

##### Color

- (NONE)** No cap
- 0380** Snap fit, high temperature, ivory, ø8 mm

#### BUTTON

To order buttons in bulk



##### Button Type

- 02** Press fit, ø4 mm
- 03** Snap fit, high temperature, ø8 mm

##### Button Color

- 90** Black
- 80** Ivory



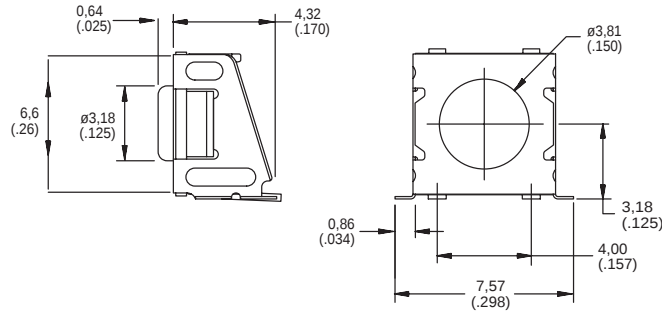
ITT Industries

Cannon

# KT Series Right Angle Sealed Tact Switch for SMT

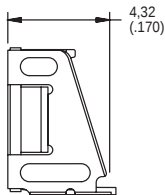
SERIES 

## KT11

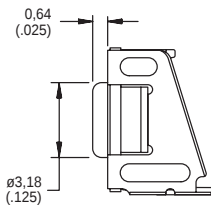


ACTUATOR 

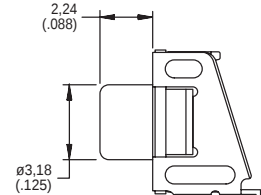
### B0 SOFT, FLUSH



### B1 SOFT, 0.64 mm

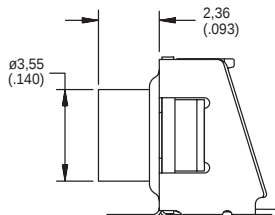


### B2 SOFT, 2.24 mm

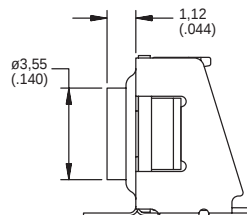


B0, B1 & B2 available with A & A1 mounting bracket only.

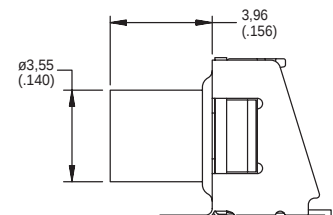
### P2 HARD, 2.36 mm



### P3 HARD, 1.12 mm

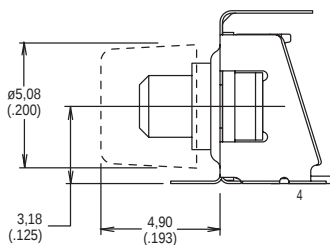


### P4 HARD, 3.96 mm

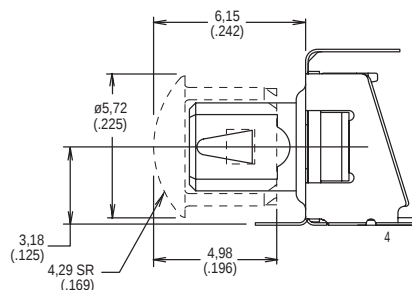


P4 recommended with A1 & A2 mounting bracket only.

### S1 $\varnothing 0.1$ mm FOR PRESS FIT CAPS



### S2 $\varnothing 0.14$ mm FOR SNAP FIT CAPS



S1 & S2 preferred with A1 & A2 mounting bracket only.

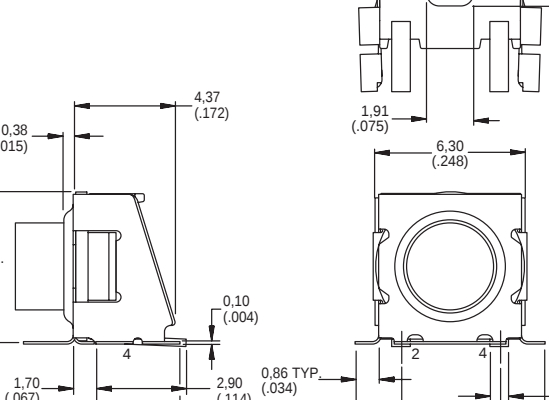


Dimensions are shown: mm (inch)  
Dimensions subject to change

**ORIENTATION** ■■■■■■

**MOUNTING BRACKET** 

**A1M** RIGHT ANGLE WITH FRONT SOLDER PAD



Technical drawings of the 1000 Series 1/2" (12.7mm) ball bearing unit, showing side, front, and top views with dimensions in inches and millimeters.

**Side View Dimensions:**

- Overall Height: 6.60 MAX. (.260)
- Top Flange Thickness: 0.38 (.015)
- Top Flange Width: 4.37 (.172)
- Bottom Flange Thickness: 0.10 (.004)
- Bottom Flange Width: 4
- Internal Width: 1.70 (.067)
- Internal Width (Alternative): 2.90 (.114)
- Internal Width (Alternative): 3.43 (.135)

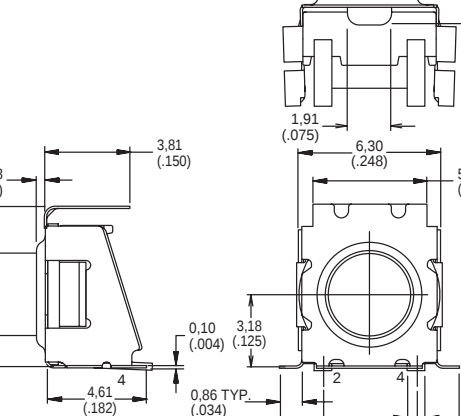
**Front View Dimensions:**

- Overall Width: 6.30 (.248)
- Internal Width: 2
- Internal Width (Alternative): 4
- Internal Width (Alternative): 4.01 (.158)
- Internal Width (Alternative): 7.77 (.306)
- Internal Width (Alternative): 0.86 TYP. (.034)
- Internal Width (Alternative): 0.76 (.030)

**Top View Dimensions:**

- Overall Width: 1.91 (.075)
- Internal Width: 0.86 (.034)

### A3M RIGHT ANGLE WITH PICK & PLACE TAB

[illegible]

Technical drawing of the 1000 Series 1/2" component, showing three views: a side view (left), a top view (top right), and a front view (bottom right). Dimensions are provided in inches and millimeters.

**Side View (Left):**

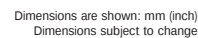
- Overall height: 7.11 (.280)
- Top flange thickness: 0.38 (.015)
- Top flange width: 3.81 (.150)
- Bottom flange thickness: 0.10 (.004)
- Bottom flange width: 4.61 (.182)
- Bottom flange offset: 4

**Top View (Top Right):**

- Overall width: 6.30 (.248)
- Overall depth: 5.08 (.200)
- Top flange thickness: 0.86 (.034)
- Top flange offset: 1.91 (.075)

**Front View (Bottom Right):**

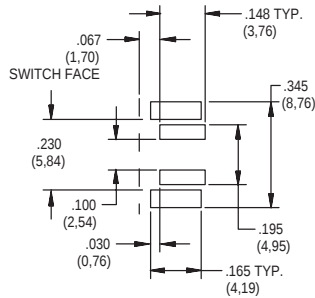
- Overall width: 7.77 (.306)
- Overall height: 4.01 (.158)
- Top flange thickness: 0.86 TYP. (.034)
- Top flange offset: 2
- Top flange width: 3.18 (.125)
- Bottom flange thickness: 0.76 (.030)
- Bottom flange offset: 4



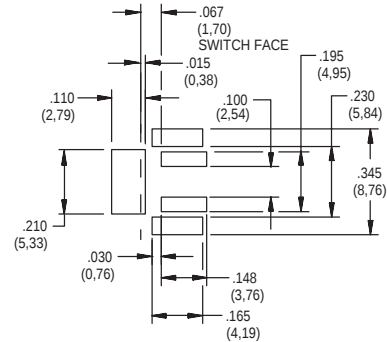
# KT Series Right Angle Sealed Tact Switch

## MOUNTING BRACKET

PAD LAYOUT  
AM & A3M Mounting Bracket



PAD LAYOUT  
A1M & A2M Mounting Bracket



## ACTUATING FORCE

| OPTION CODE | FORCE           |
|-------------|-----------------|
| <b>3</b>    | 3 N (300 grams) |

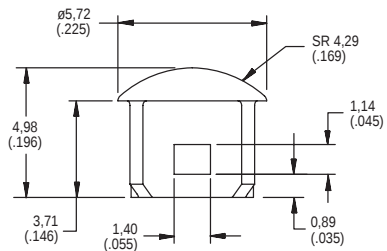
## CONTACT PLATING

| OPTION CODE | MATERIAL |
|-------------|----------|
| <b>1</b>    | SILVER   |
| <b>3</b>    | GOLD     |

## BUTTON

**(NONE)** NO BUTTON

**0380** SNAP FIT, HIGH TEMPERATURE, ivory, Ø8 mm

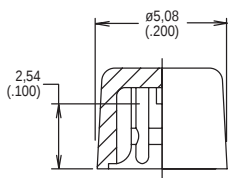


### BUTTON

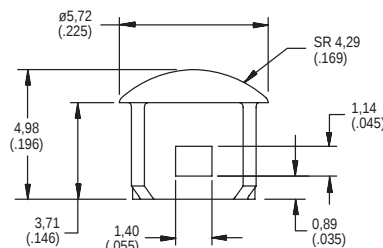
To order buttons in bulk

### Button Type

**02** PRESS FIT, Ø4 mm



**03** SNAP FIT, HIGH TEMPERATURE, Ø8 mm



### Button Color

| OPTION CODE | BUTTON COLOR |
|-------------|--------------|
| <b>90</b>   | BLACK        |
| <b>80</b>   | IVORY        |

