

# KST Series

## Long Travel Tact Switch for SMT

### Features/Benefits

- Rubber actuator
- Silver contact material
- J or G terminals
- Compatible with pick and place machines

### Typical Applications

- Front panel
- Car dashboards
- Telephone set
- Instrumentation



B

Tactile Switches

### Specification

FUNCTION: Momentary  
CONTACT ARRANGEMENT: 1 make contact = SPST N.O.  
TERMINALS: J Bend or Gullwing type for SMT

### Mechanical

MAXIMUM APPLIED FORCE: 40 N (400 grams)

| Type    | Operating force<br>Fa N (grams)±30% | Operating life<br>(operations) | Travel to<br>make |
|---------|-------------------------------------|--------------------------------|-------------------|
| KST221J | 2 (200)                             | 100,000                        | 1,3+0,3/-0.2      |
| KST241J | 3.5 (350)                           | 100,000                        | 1,3+0,3/-0.2      |

### Packaging

Switches are delivered on continuous tape and reels of 1,000 pieces, 330 (12.992) external diameter. Other dimensions according to EIA-RS-481 standard.

**NOTE:** Part numbers listed above do not represent all possible configurations.  
For information on specific and custom switches, consult Customer Service Center.

### Electrical

SWITCHING POWER MAX.: 0.50 VA  
SWITCHING VOLTAGE MIN./MAX.: 20 mV/30 V  
SWITCHING CURRENT MIN./MAX.: 1 mA/50 mA

DIELECTRIC STRENGTH (50 Hz, 1 min.): > 250 V  
CONTACT RESISTANCE: <100 mΩ  
INSULATION RESISTANCE: >10<sup>9</sup> Ω  
BOUNCE TIME: < 5 ms

### Environmental

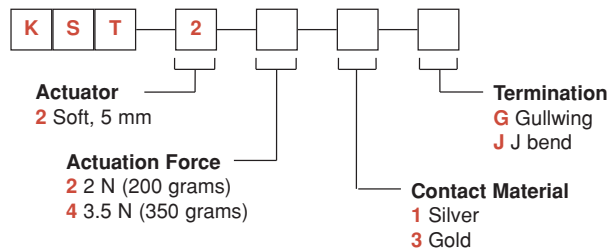
OPERATING TEMPERATURE: -40°C to 125°C  
STORAGE TEMPERATURE: -55°C to 125°C

### Process

Contact terminals are tin plated.  
Infrared soldering process in accordance with CECC 00802  
No washing, IP53

### How To Order

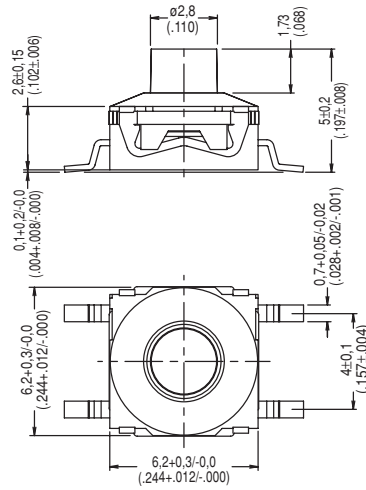
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



# KST Series Long Travel Tact Switch for SMT

SERIES

**KST**

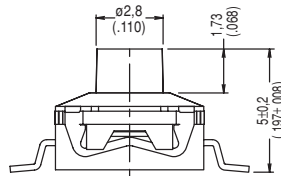


**B**

Tactile Switches

ACTUATOR

**2** SOFT



ACTUATION FORCE

| OPTION CODE | OPERATING FORCE   |
|-------------|-------------------|
| <b>2</b>    | 2 N (200 grams)   |
| <b>4</b>    | 3.5 N (350 grams) |

CONTACT MATERIAL

**1** SILVER

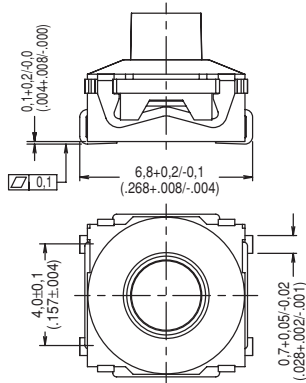
**3** GOLD

# KST Series Long Travel Tact Switch for SMT

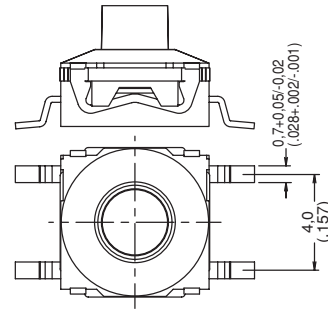
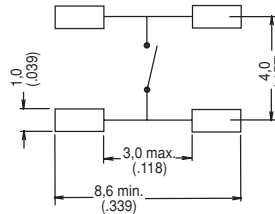
TERMINATION 

**J** J BEND

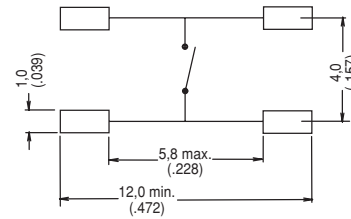
**G** GULLWING



PAD LAYOUT

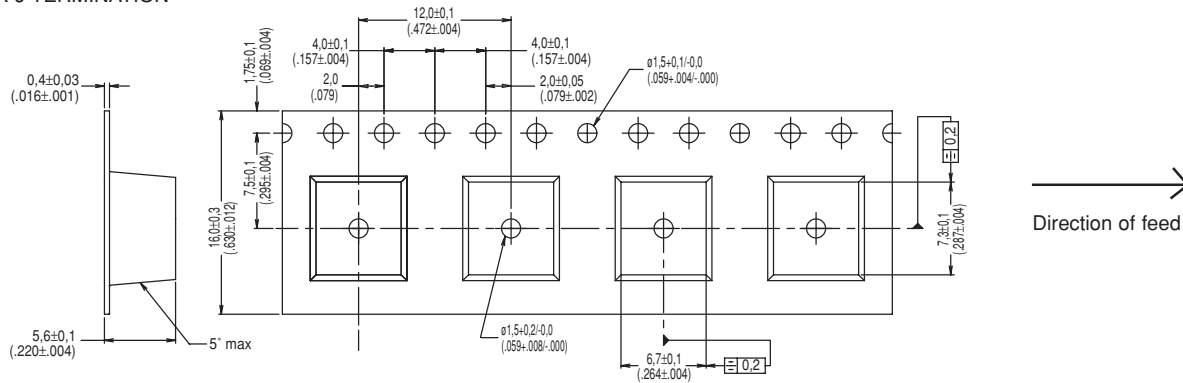


PAD LAYOUT

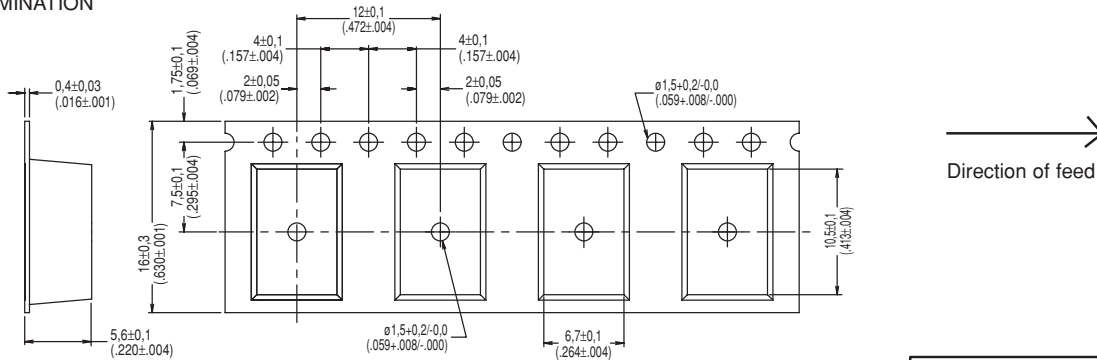


## TAPE & REEL

FOR J TERMINATION



FOR G TERMINATION



First Angle  
Projection

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