

# 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 Fa N (grams)±30%	Operating life (operations)	Travel to 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

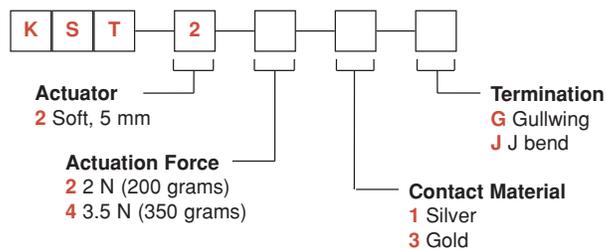
OPERATING TEMPERATURE: -40°C to 125°C  
STORAGE TEMPERATURE: -55°C to 125°C

## Process

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

## How To Order

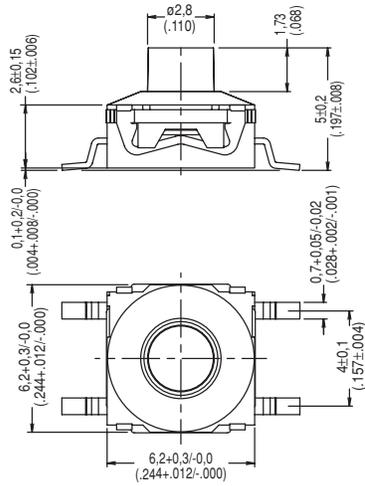
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and and place it in the appropriate box.



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SERIES

**KST**

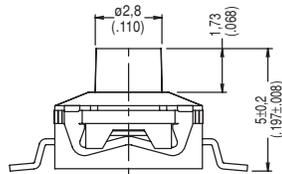


**B**

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



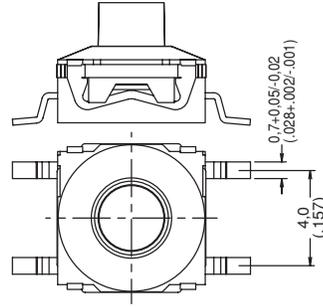
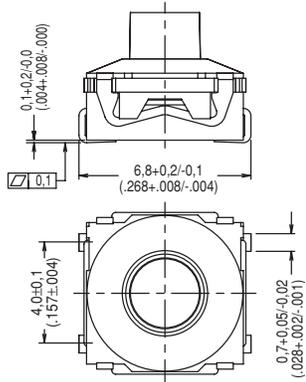
Dimensions are shown: mm (inch)  
Dimensions subject to change

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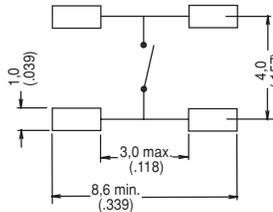
## TERMINATION

**J** J BEND

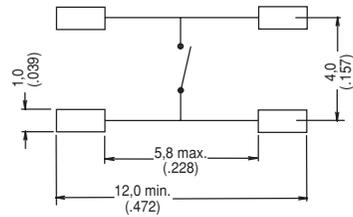
**G** GULLWING



PAD LAYOUT

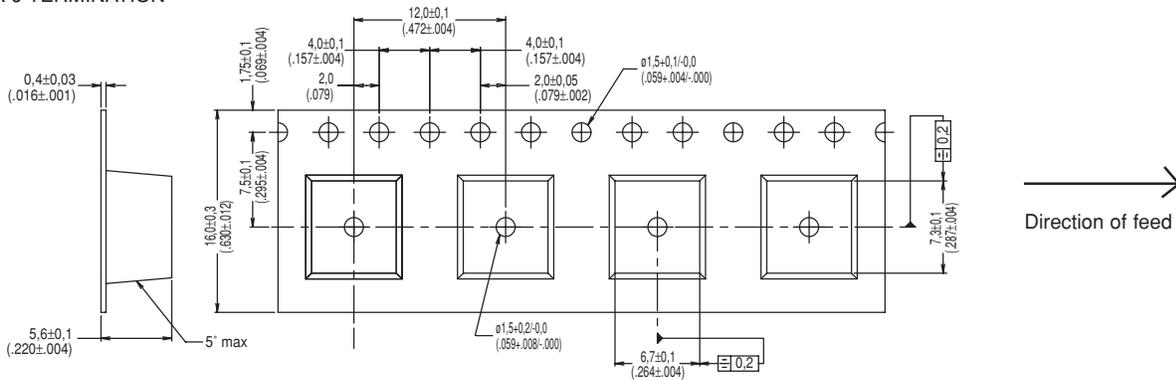


PAD LAYOUT

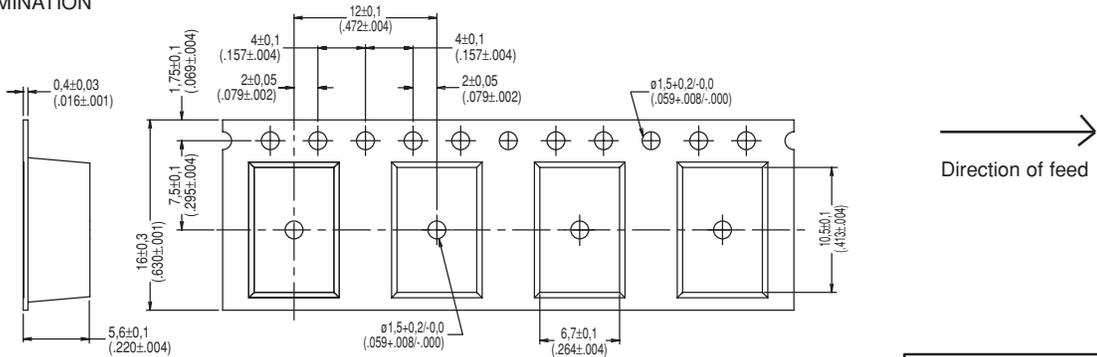


## TAPE & REEL

FOR J TERMINATION



FOR G TERMINATION



First Angle  
Projection

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