

# KMT0 Series

## Nano-Miniature SMT Top Actuated



B

### Tactile Switches



#### Features

- **Smallest footprint**
- **Smallest thickness with integrated actuator**
- **Extended life cycles**
- **IP68**

#### Typical Applications

- **Mobile Phones**
- **Hearing Aids**
- **MP3 accessories**
- **Bluetooth Headset**

#### Specification

FUNCTION: momentary action, normally open

CONTACT ARRANGEMENT: 1 make contact = SPST, N.O.

TERMINALS: J lead type for SMT

#### Mechanical

TRAVEL (mm):  $0.15 \pm 0.1$

	Operating force Newtons (grams)	Tactile Feeling	Operating Life
KMT011NGJLHS	$1.0 (100) \pm 0.25$	$\geq 10\%$	300,000
KMT021NGJLHS	$1.6 (160) \pm 0.25$	$\geq 30\%$	300,000
KMT071NGJLHS	$2.3 (230) \pm 0.25$	$\geq 30\%$	300,000
KMT031NGJLHS	$3.4 (340) \pm 0.25$	$\geq 30\%$	300,000

	Operating force Newtons (grams)	Tactile Feeling	Operating Life
KMT012NGJLHS	$1.0 (100) \pm 0.25$	$\geq 10\%$	1,000,000
KMT022NGJLHS	$1.6 (160) \pm 0.25$	$\geq 30\%$	600,000
KMT072NGJLHS	$2.3 (230) \pm 0.25$	$\geq 30\%$	600,000

#### Electrical

MAXIMUM POWER:	0.5 VA
MAXIMUM VOLTAGE:	32 VDC
MINIMUM VOLTAGE:	20mV
MAXIMUM CURRENT DC:	50 mA
MINIMUM CURRENT DC:	1 mA
DIELECTRIC STRENGTH:	$\geq 250$ Vrms (1mn)
CONTACT RESISTANCE:	$\leq 150$ mΩ
INSULATION RESISTANCE:	$\geq 50$ MΩ
BOUNCE TIME:	$\leq 6$ ms

#### Environmental

OPERATING TEMPERATURE:  $-40^{\circ}\text{C}$  to  $85^{\circ}\text{C}$

STORAGE TEMPERATURE:  $-55^{\circ}\text{C}$  (10 days)  $+85^{\circ}\text{C}$  (4 days)

#### Process

SOLDERING: This component is suited to the following methods:

– Infrared Reflow Soldering in accordance with IEC61760-1

#### Packaging

In reels of 5,000 pieces.

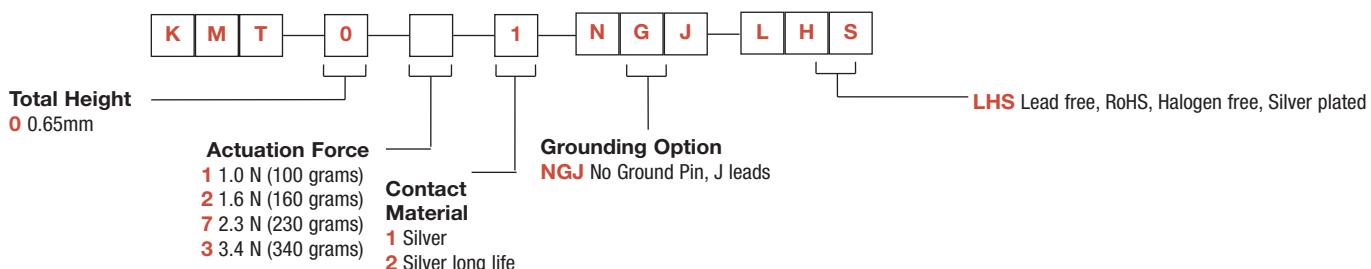
Dimensions of reels according to EIA 481B

External diameter 180 mm

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

#### Part Number Description

For any part number different from those listed above, please consult your local representative.

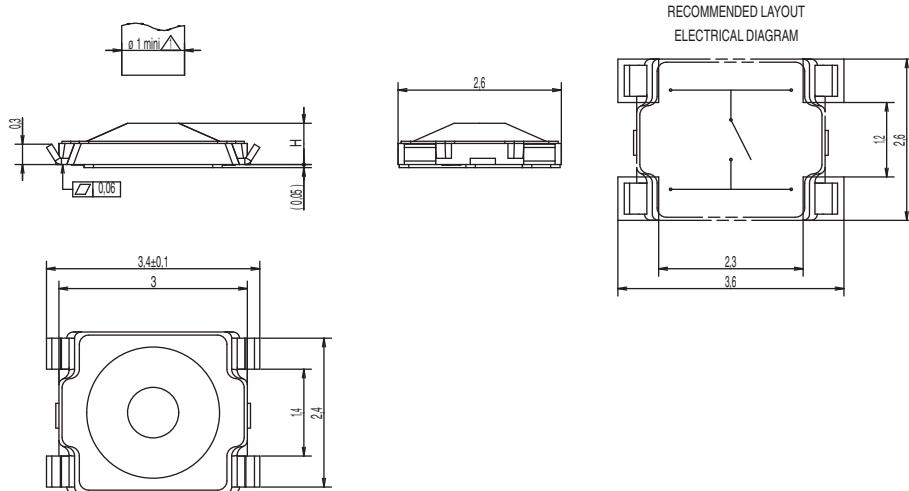


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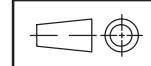
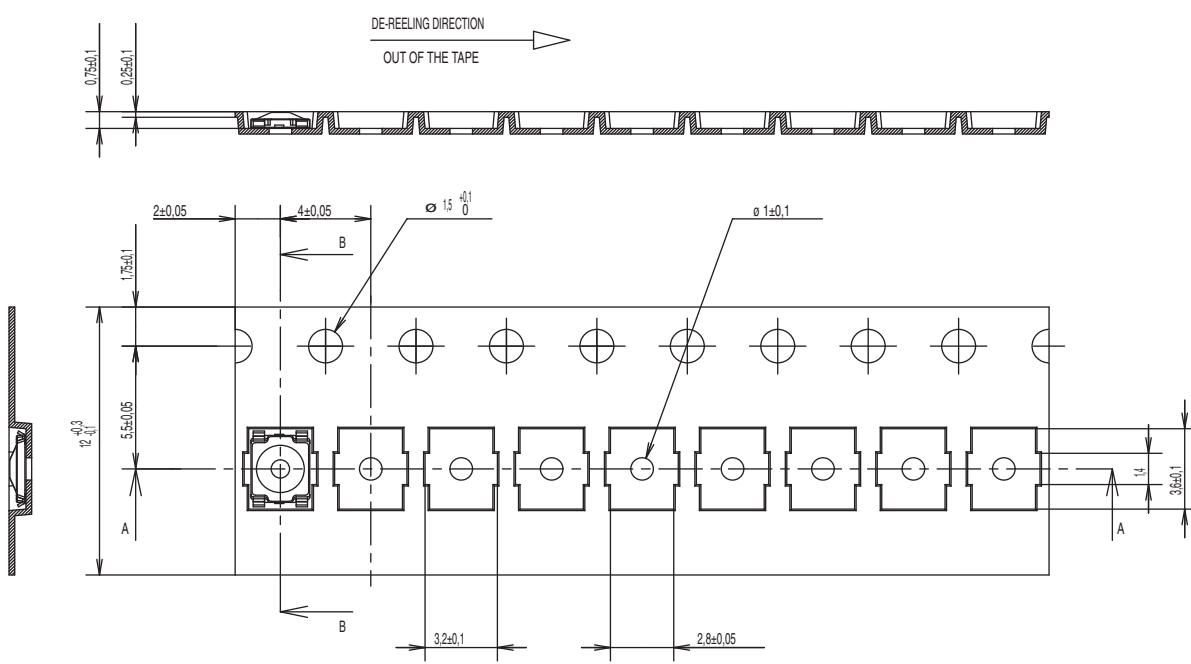
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## TAPE & REEL



First Angle  
Projection

Dimensions are shown: mm (inches)  
Specifications and dimensions subject to change

**C&K**

# Mouser Electronics

Authorized Distributor

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C&K Components:

[KMT012NGJLHS](#) [KMT022NGJLHS](#) [KMT072NGJLHS](#)