

# KMT0 Series Nano-Miniature SMT Top Actuated

## Features

- 3.0 x 2.06 mm footprint
- Smallest thickness with integrated actuator
- Extended life cycles
- IP68
- Ultra low current capabilities

## Typical Applications

- Mobile Phones
- Hearing Aids
- MP3 accessories
- Bluetooth Headset
- Automotive keyless entry system
- Smoke and CO detectors
- E-readers
- Home automation remote controls



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Tactile Switches

## 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 ± 0.1

|              | Operating force<br>Newtons (grams) | Tactile<br>Feeling | Operating<br>Life |
|--------------|------------------------------------|--------------------|-------------------|
| KMT011NGJLHS | 1.0 (100) ± 25%                    | ≥ 10%              | 300,000           |
| KMT021NGJLHS | 1.6 (160) ± 25%                    | ≥ 30%              | 300,000           |
| KMT071NGJLHS | 2.3 (230) ± 25%                    | ≥ 30%              | 300,000           |
| KMT031NGJLHS | 3.4 (340) ± 25%                    | ≥ 30%              | 300,000           |

|              | Operating force<br>Newtons (grams) | Tactile<br>Feeling | Operating<br>Life |
|--------------|------------------------------------|--------------------|-------------------|
| KMT012NGJLHS | 1.0 (100) ± 25%                    | ≥ 10%              | 1,000,000         |
| KMT022NGJLHS | 1.6 (160) ± 25%                    | ≥ 30%              | 600,000           |
| KMT072NGJLHS | 2.3 (230) ± 25%                    | ≥ 30%              | 600,000           |

## Electrical

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

## Environmental

OPERATING TEMPERATURE: -40°C to 85°C  
STORAGE TEMPERATURE: -55°C (10 days) +85°C (4 days)

## Process

SOLDERING: This component is suited to the following methods:  
– Infrared Reflow Soldering in accordance with IEC61760-1

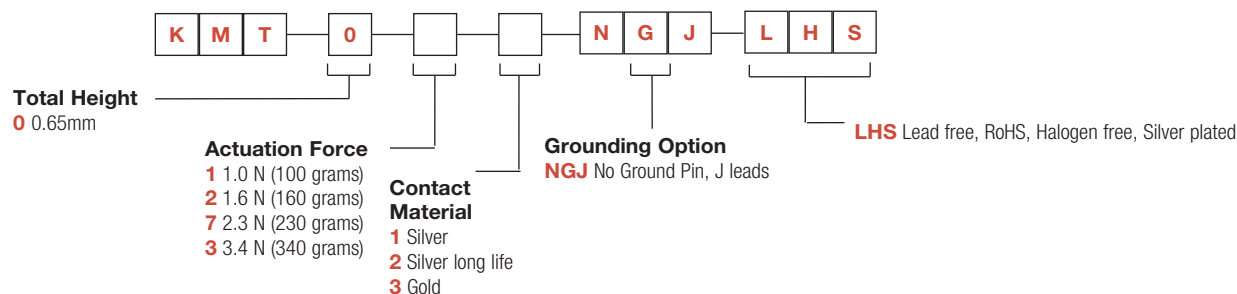
## Packaging

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

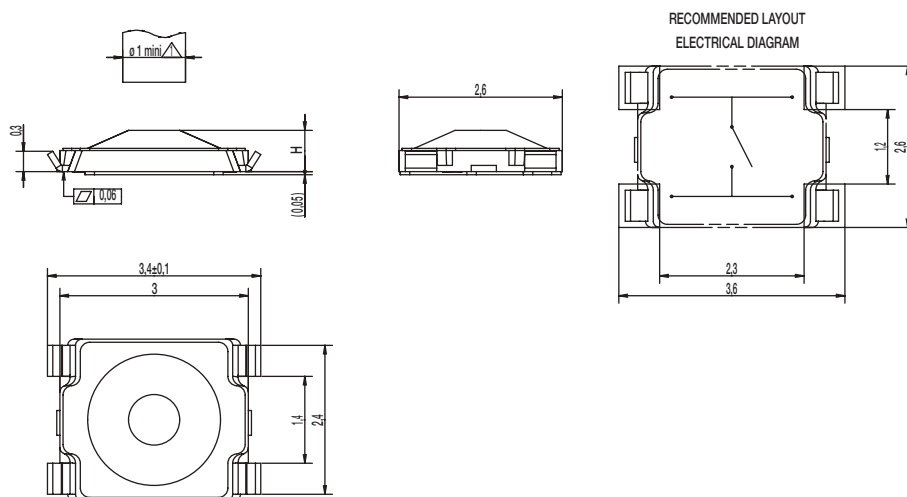
For any part number different from those listed above, please consult your local representative.



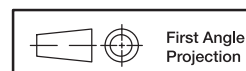
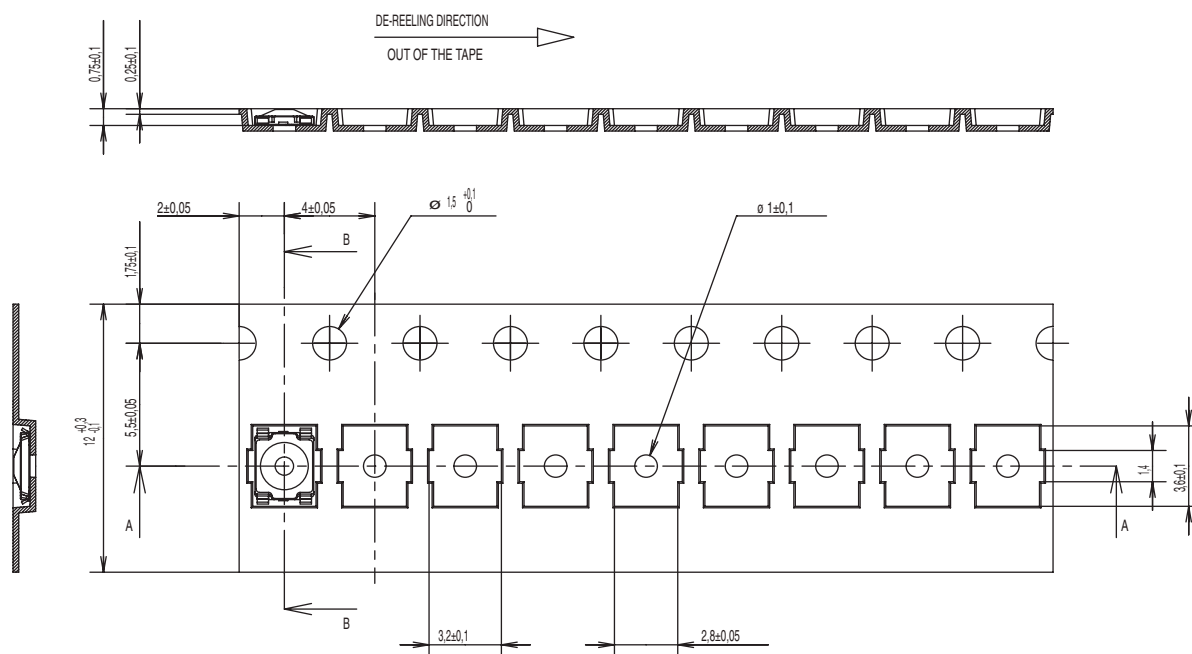
# KMT0 Series

## Nano-Miniature SMT Top Actuated

Minimum actuator diameter is 1.0 mm. It is recommended to enlarge this diameter to a full flat surface covering the switch.



## TAPE & REEL



First Angle  
Projection

Dimensions are shown: mm  
Specifications and dimensions subject to change