

KMT0 Series Nano-Miniature SMT Top Actuated

Features

- 3.0 x 2.6 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 Newtons (grams) | Tactile Feeling | Operating 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 Newtons (grams) | Tactile Feeling | Operating 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:
– Lead free reflow soldering process in accordance with IEC 61760-1.

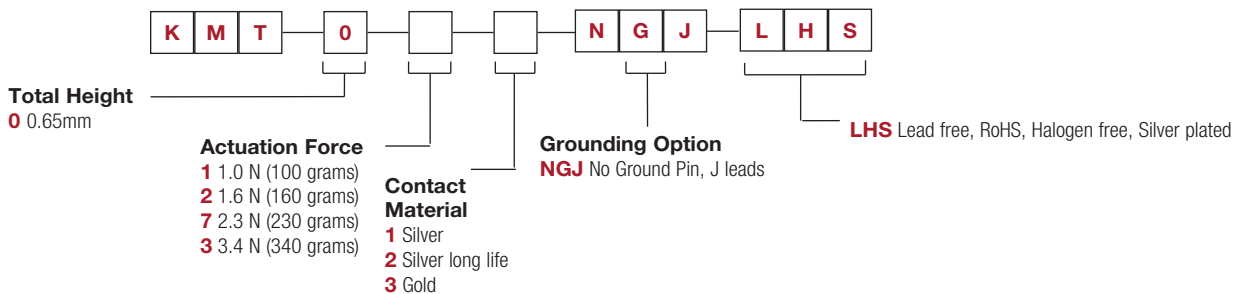
Packaging

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.

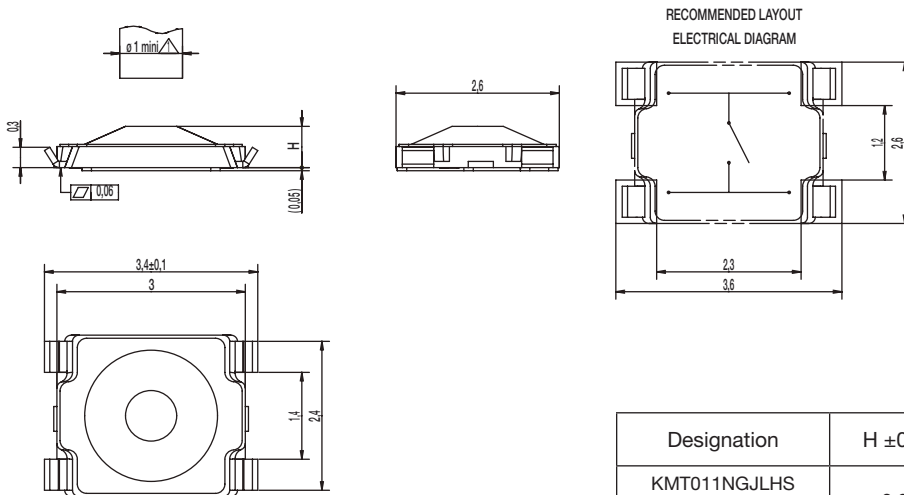


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Minimum actuator diameter is 1.0 mm. It is recommended to enlarge this diameter to a full flat surface covering the switch.

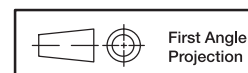
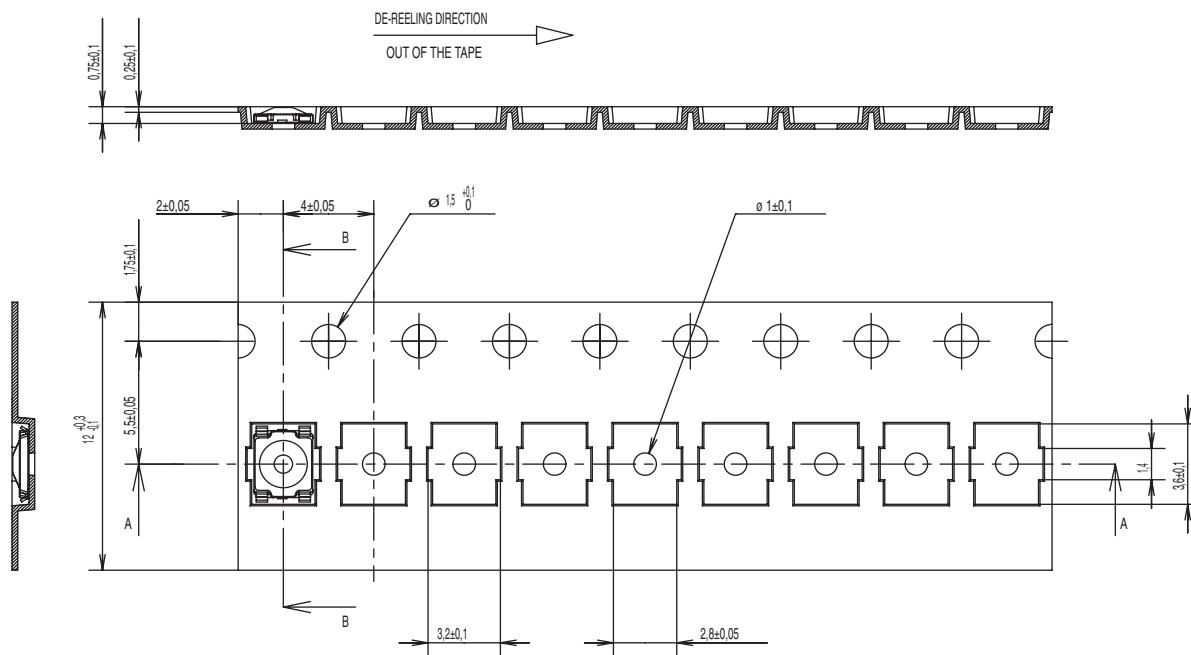
Tactile Switches

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| Designation | H ±0.07 |
|--------------|---------|
| KMT011NGJLHS | 0.63 |
| KMT021NGJLHS | |
| KMT031NGJLHS | 0.65 |
| KMT071NGJLHS | |

TAPE & REEL



Dimensions are shown: mm
Specifications and dimensions subject to change

单击下面可查看定价，库存，交付和生命周期等信息

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