

KMT0 Series

Ultra Miniature Tactile Switch for SMT 3.6 x 2.6 mm,
with 0.65 mm Height Actuator



Specifications

| | |
|----------------------------|---|
| Function | Momentary action, normally open |
| Contact Arrangement | 1 make contact = SPST, N.O. |
| Terminals | J lead type for SMT |
| Travel (mm) | 0.15 ± 0.1 |
| Packaging | In reels of 5,000 pieces. Dimensions of reels according to EIA 481B External diameter 180 mm |

Electrical Characteristics

| | |
|------------------------------|------------------|
| 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 (1mm) |
| Contact Resistance | ≤ 150mΩ |
| Insulation Resistance | ≥ 50MΩ |
| Bounce Time | ≤ 6 ms |

Environmental Characteristics

| | |
|------------------------------|---------------|
| Operating Temperature | -40°C to 85°C |
| Storage Temperature | -55°C to 85°C |

Process

| | |
|------------------|--|
| Soldering | This component is suited to the following methods: Lead free reflow soldering process in accordance with IEC 61760-1. |
|------------------|--|

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

Description

The KMT0 series nano-miniature SMT top actuated switch comes with the smallest footprint and thickness and an integrated actuator. Its extended life cycle makes it ideal for the smallest of applications that must last a long time while withstanding the harshest of environments, including Bluetooth headsets, MP3 accessories and hearing aids.

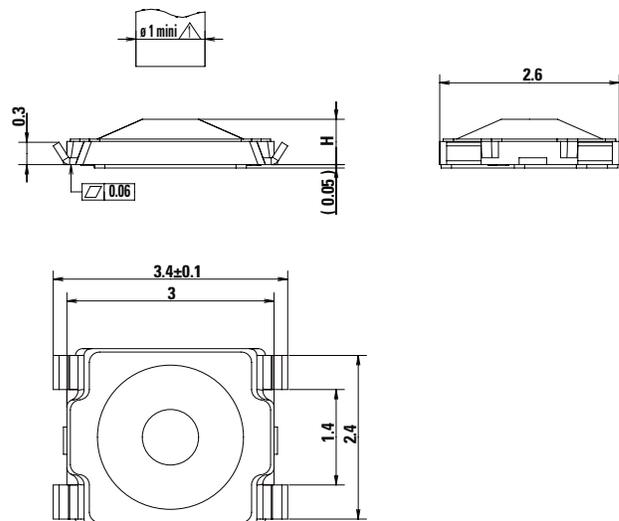
Features & Benefits

- 3.6 x 2.6 mm footprint
- Smallest thickness with integrater actuator
- Extended life cycles
- IP68
- Ultra low current capabilities

Applications

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

Dimensions (mm)



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

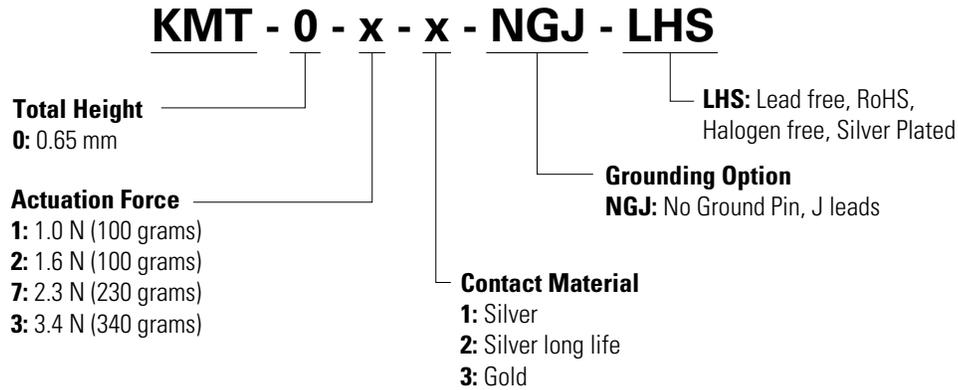
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Ordering Number

For any part number different from those listed in page 1, please consult your local representative.



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

Liability Limitation

This datasheet does not provide enough information for applications that require a certain level of quality or safety such as automotive, medical systems, or safety equipment. Please contact customer service for the contractual specification package.

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