

KMT0 Series

Ultra Miniature Tactile Switch for SMT 3.4 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 (1mn)
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.
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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.

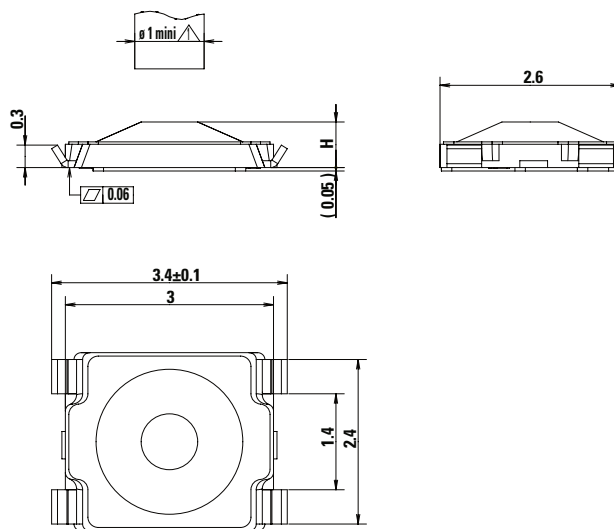
Features & Benefits

- 3.4 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)



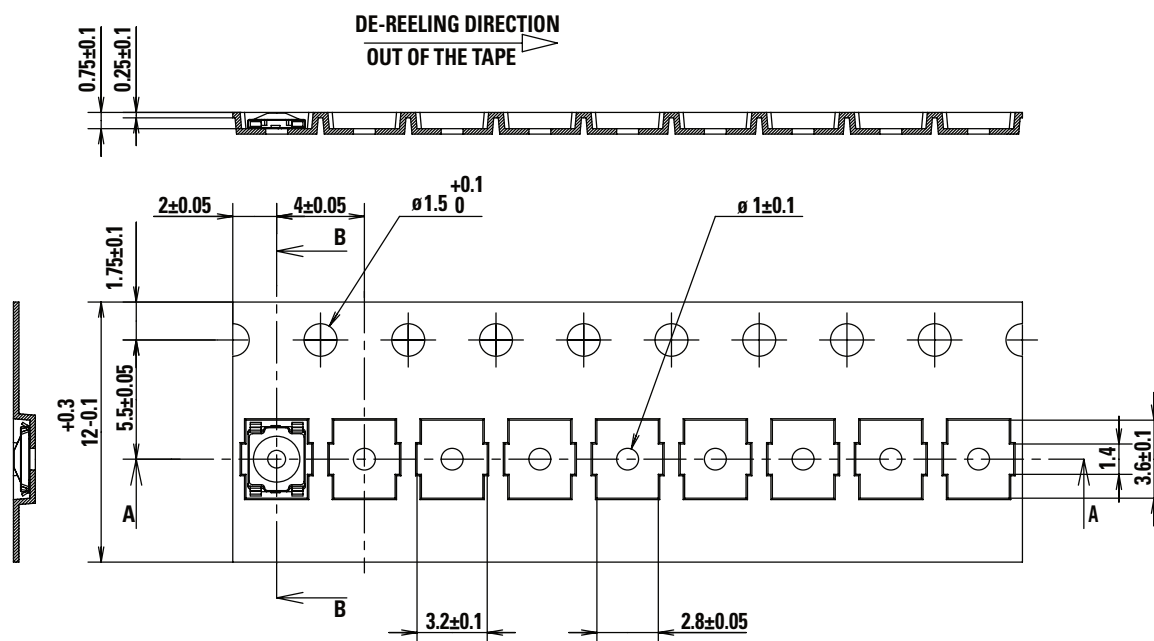
Designation	H ±0.07
KMT011NGJLHS	0.63
KMT021NGJLHS	0.63
KMT031NGJLHS	0.65
KMT071NGJLHS	0.65

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**Mechanical Characteristics**

Part #	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
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

Tape & Reel

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Ordering Number

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

KMT - 0 - x - x - NGJ - LHS

Total Height

0: 0.65 mm

Actuation Force

1: 1.0 N (100 grams)

2: 1.6 N (100 grams)

7: 2.3 N (230 grams)

3: 3.4 N (340 grams)

LHS: Lead free, RoHS,

Halogen free, Silver Plated

Grounding Option

NGJ: No Ground Pin, J leads

Contact Material

1: Silver

2: Silver long life

3: Gold

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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