

KMT0 D Series

Nano-Miniature SMT Top Actuated Momentary Detect Switches



Specifications

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

Electrical Characteristics

Max. Power	0.3 VA
Min./Max. Voltage	20 mV - 32 VDC
Min./Max. Current DC	1mA-25mA
Dielectric Strength	≥ 250 Vrms (1mn)
Contact Resistance	≤ 150 m Ω
Insulation Resistance	≥ 50 mΩ
Bounce Time	≤ 6 ms

Environmental Characteristics

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.
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Notes:

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

Description

The KMT0 D series nano-miniature SMT top actuated detect switch comes with the smallest footprint and thickness and an integrated actuator. It is ideal for the smallest of applications while withstanding the harshest of environments, including medical devices, bluetooth headsets, MP3 accessories and hearing aids.

Features & Benefits

- 3.0 x 2.6 mm footprint
- Smallest thickness with integrated actuator
- IP68
- Momentary detect

Applications

- Hearing aids
- Medical device
- Bluetooth headset
- IoT
- Consumer electronics

Mechanical Characteristics

Type	Operating Force Newtons (grams)	Operating life (operations)
KMT0D1 NGJ LHS	1.5 (150) ± 25%	300,000
KMT0D3 NGJ LHG	1.5 (150) ± 25%	300,000

Mechanical Characteristics

Travel (mm)	0.15 ± 0.1
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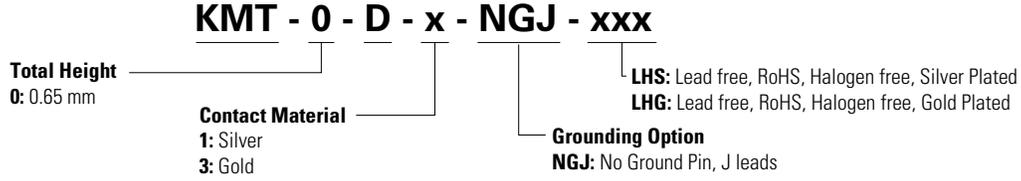
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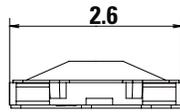
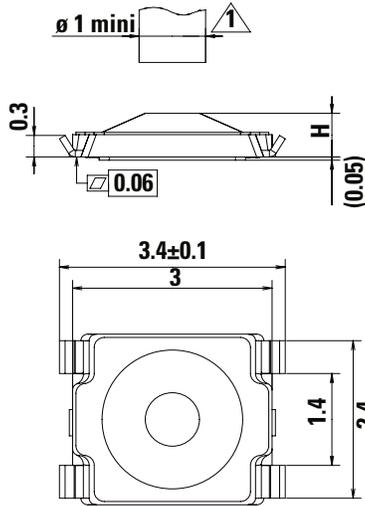
Ordering Number

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on the next page. For additional options not shown in catalog, consult Customer Service Center.

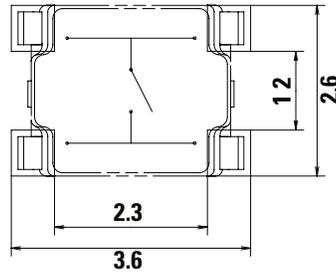


Note: Minimum actuator diameter is 1.0 mm. It is recommended to enlarge this diameter to a full flat surface covering the switch.

Dimensions



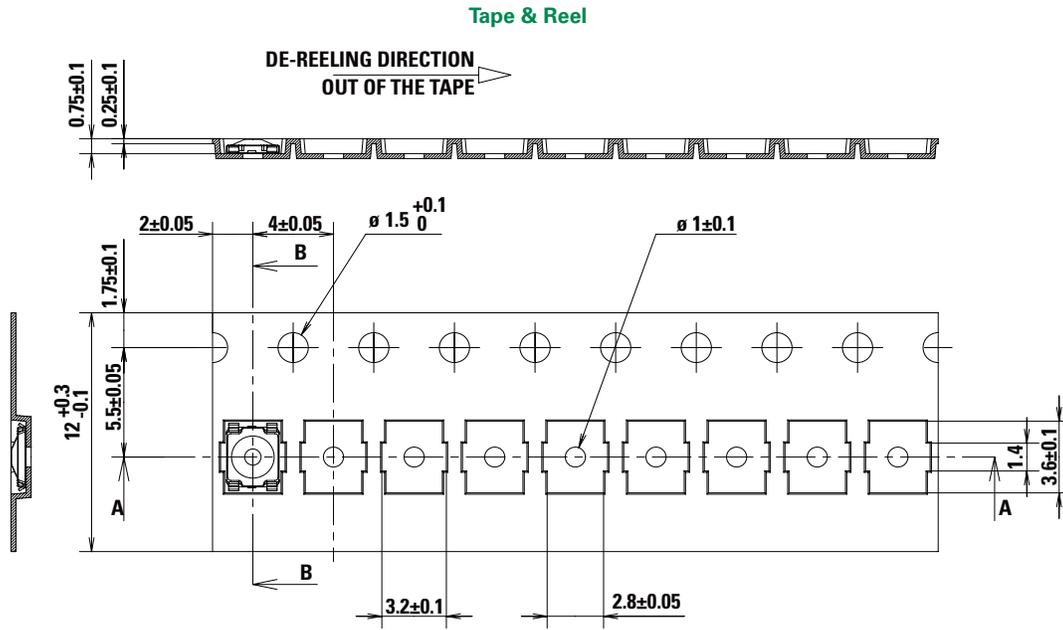
RECOMMENDED LAYOUT ELECTRICAL DIAGRAM



Type	Reference	H ± 0.07
KMT0D1 NGJ LHS	Y34H0D122FP	0.65

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