

KMT0 D Series Nano-Miniature SMT Top Actuated

Features

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

Typical Applications

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



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)	Operating Life
KMT0D1 NGJ LHS	1.5 (150) ± 25%	300 000
KMT0D3 NGJ LHG	1.5 (150) ± 25%	300 000

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.

Electrical

MAXIMUM POWER:	0.3 VA
MAXIMUM VOLTAGE:	32 VDC
MINIMUM VOLTAGE:	20 mV
MAXIMUM CURRENT DC:	25 mA
MINIMUM CURRENT DC:	1 mA
DIELECTRIC STRENGTH:	≥ 250 Vrms (1mn)
CONTACT RESISTANCE:	≤ 150 mΩ
INSULATION RESISTANCE:	≥ 50 MΩ
BOUNCE TIME:	≤ 6 ms

Environmental

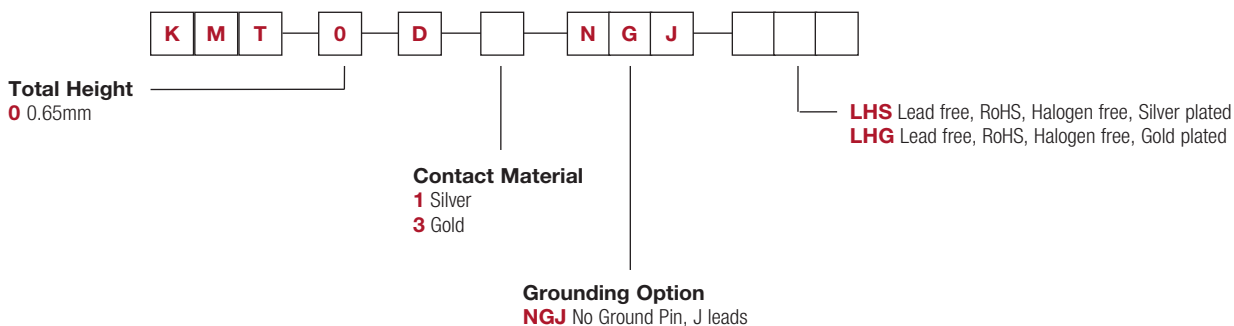
OPERATING TEMPERATURE: -40°C to 85°C
STORAGE TEMPERATURE: -55°C (10 days) +85°C (4 days)

Process

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

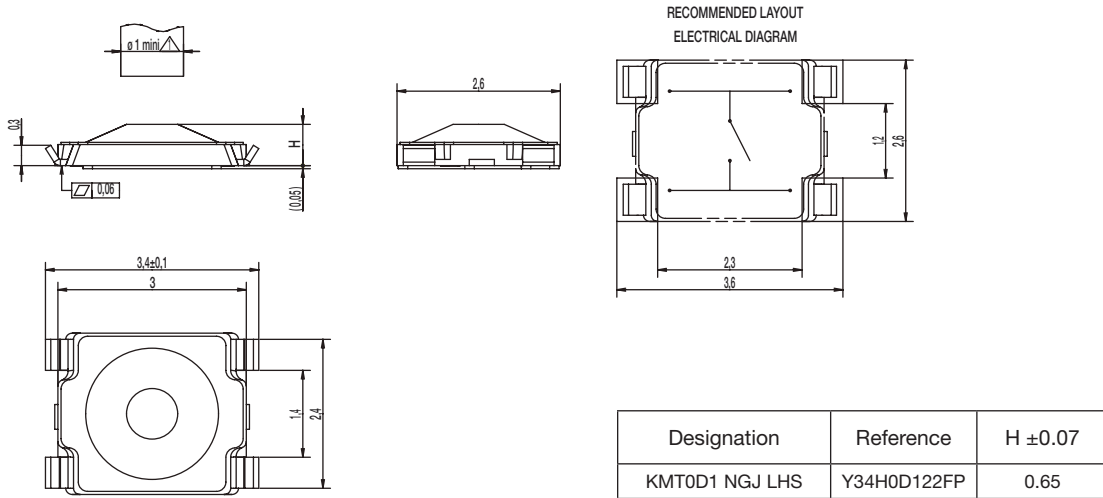
Build-A-Switch

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.

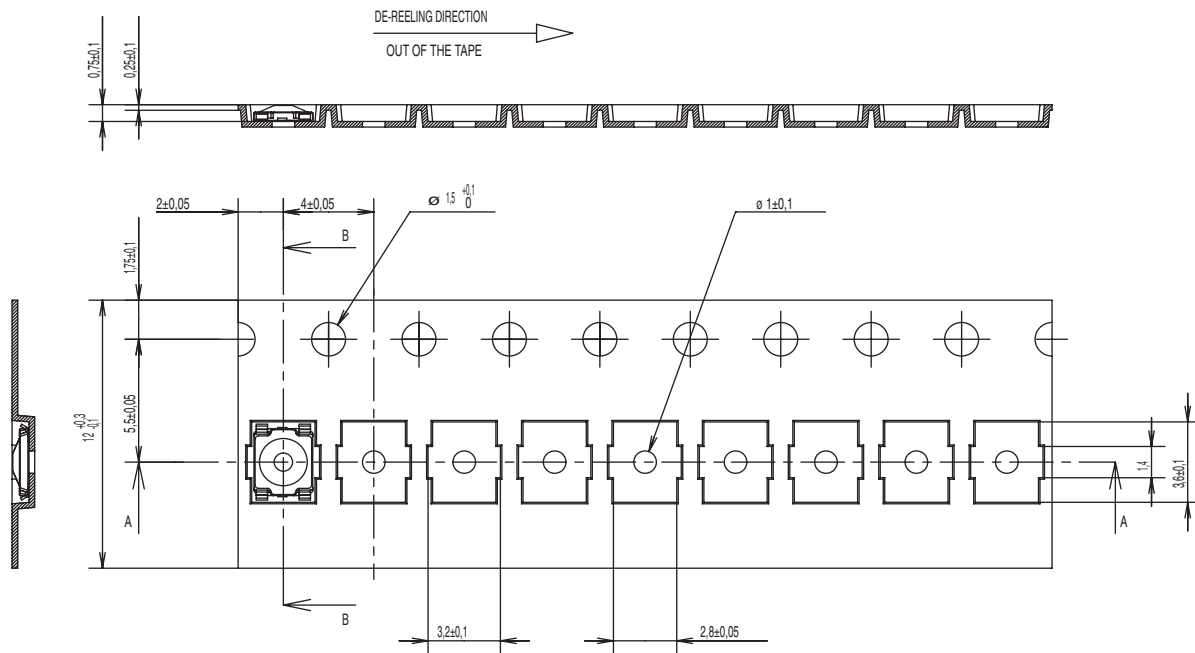


KMT0 D Series Nano-Miniature SMT Top Actuated

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



TAPE & REEL



Dimensions are shown: mm
Specifications and dimensions subject to change