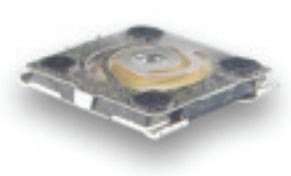
KMX Series
Microminiature Tact Switch for SMT



Features

- *Ultra low profile 0.58mm*
- *Compact switch body; 4.5x4.5mm*
- *1.6 and 2.2N sharp tactile feel*
- *250k cycles*
- *ø 1.4mm actuator grounded*
- *RoHS compliant and compatible*

Typical Applications

- *Allows higher board density with compact SMT switch for ultra low profile environment: cell phones keypads, key fob, white goods, medical and military*

Specification

FUNCTION: Snap action push-on type SPST/shielded
CONTACT TYPE: Normally open
TERMINALS: Gullwing type for SMT

Mechanical

MAXIMUM ACTUATING FORCE/LIFE: 20 N for 1,000 cycles

Type	Operating force Newtons (grams)	Operating life (operations)	Travel
KMX211G/213G	1.6 (160) ± 30%	250,000	0,20 ± 0,10
KMX221G/223G	2.2 (220) ± 30%	250,000	0,20 ± 0,10

Packaging

Switches are delivered in tape and reels of 10,000 pieces. The reel diameter is 380 (14.961). The tape dimensions conform to the EIA-RS-481 and EC-286-6 norms.

Electrical

	Silver	Gold
MAXIMUM POWER:	0.5 VA	0.5 VA
MAXIMUM VOLTAGE:	32 VDC	32 VDC
MAXIMUM CURRENT DC:	50 mA	20 mA
MINIMUM CURRENT DC:	1 mA	1 mA

CONTACT RESISTANCE: ≤ 100 mΩ
INSULATION RESISTANCE: ≥ 50 MΩ
BOUNCE TIME: ≤ 6 ms

Environmental

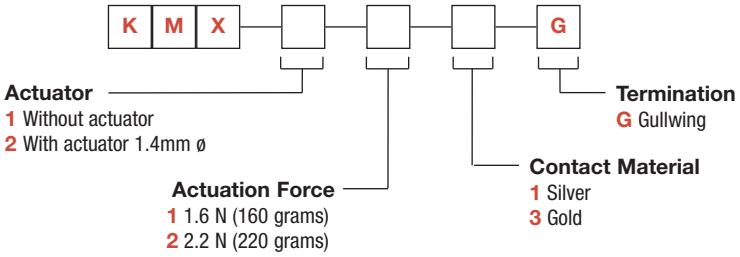
	Silver	Gold
OPERATING TEMPERATURE:	-40˚C to 85˚C	-40˚C to 125˚C
STORAGE TEMPERATURE:	-55˚C to 85˚C	-55˚C to 125˚C
RELATIVE HUMIDITY	90 to 96%	

Process

Compatible with infrared reflow, lead free soldering and pick and place SMT machines.

How To Order

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



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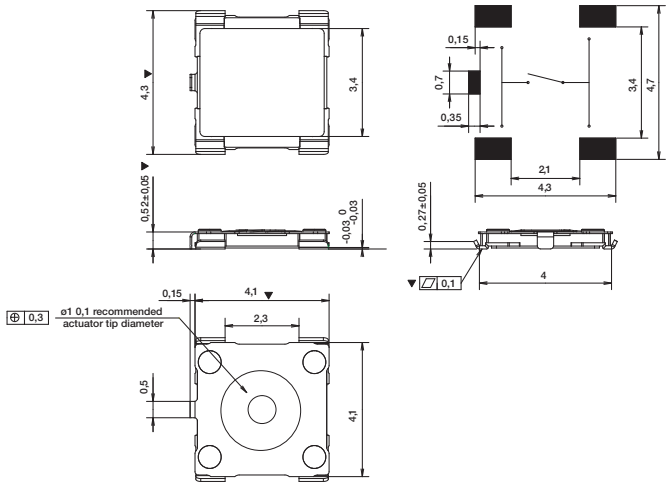
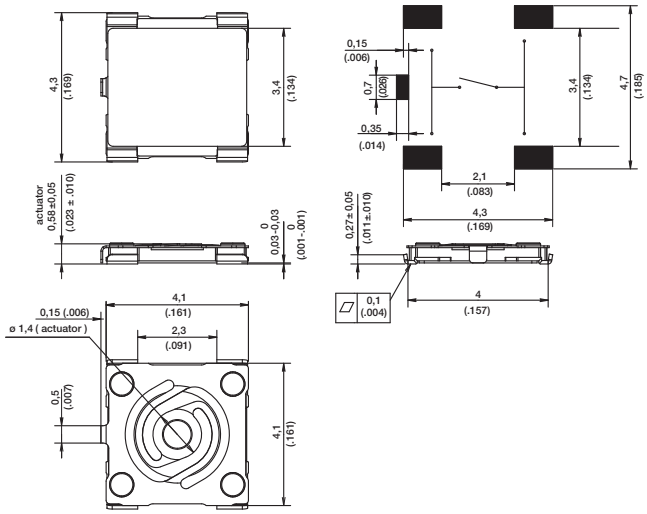
ACTUATOR

KMX 1

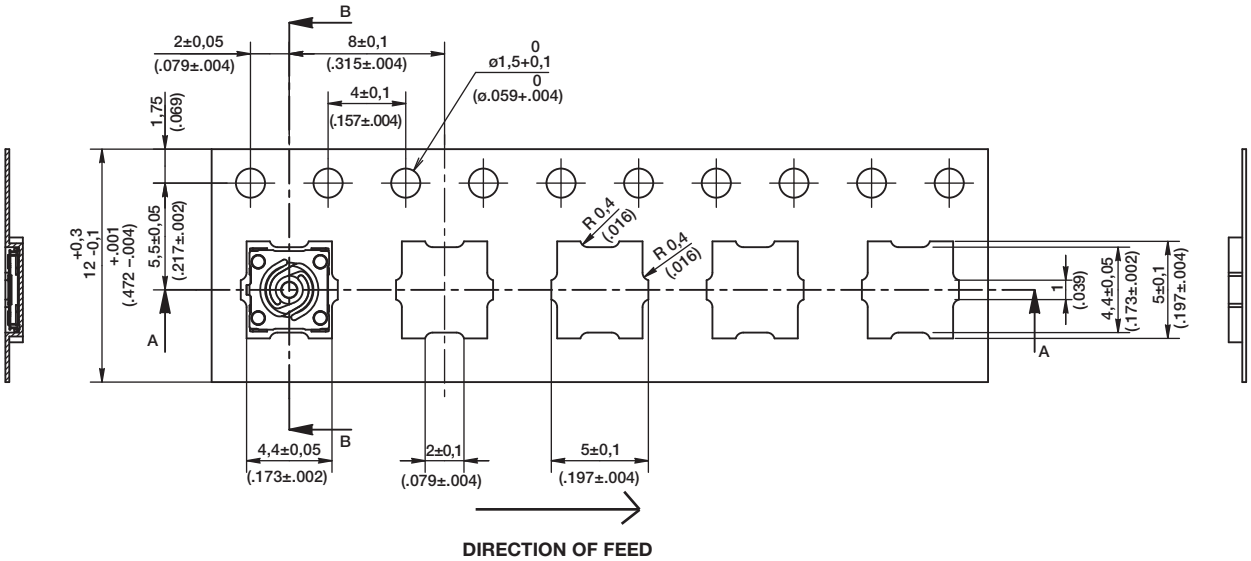


PAD LAYOUT

KMX 2



TAPE & REEL



First Angle Projection

Dimensions shown in: mm (inch)
Specifications and dimensions subject to change