

KMX Series Microminiature Tact Switch for SMT

B

Tactile Switches



Features

- Ultra low profile 0.58mm
- Compact switch body; 4.5x4.5mm
- 1.6 and 2.2N sharp tactile feel
- 250k cycles
- \varnothing 1.4mm actuator grounded
- Lead free compliant

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) \pm 30%	250,000	0,20 \pm 0,10
KMX221G/223G	2.2 (220) \pm 30%	250,000	0,20 \pm 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.

NOTE: For the latest information regarding RoHS compliance, please go to: www.ittcannon.com/rohs.

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:	\leq 100 m Ω	
INSULATION RESISTANCE:	\geq 50 M Ω	
BOUNCE TIME:	\leq 6 ms	

Environmental

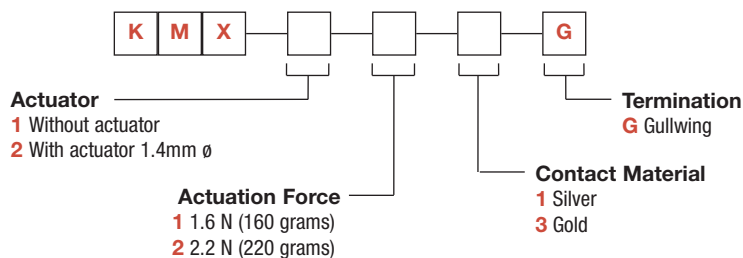
	Silver	Gold
OPERATING TEMPERATURE:	-40°C to 85°C	-40°C to 125°C
STORAGE TEMPERATURE:	-55°C to 85°C	-55°C to 125°C
RELATIVE HUMIDITY	90 to 96%	

Process

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

How To Order

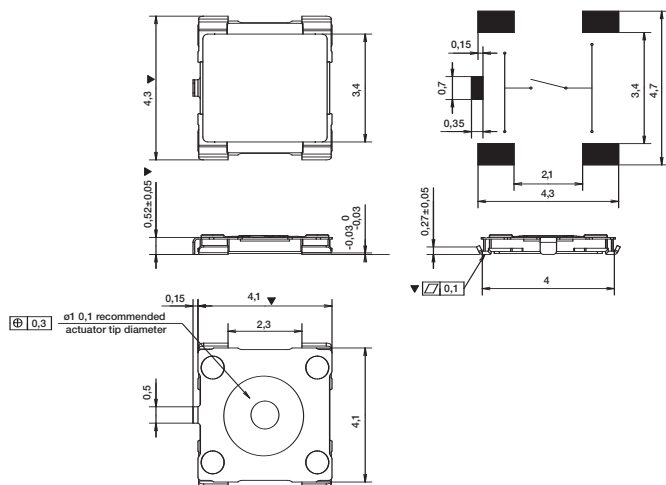
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



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ACTUATOR

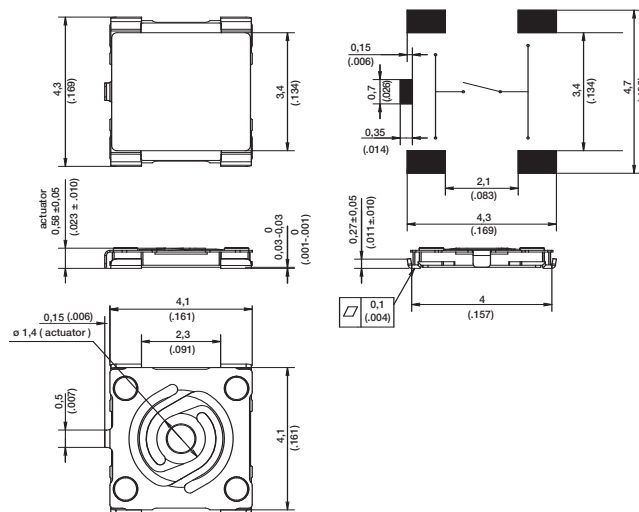
KMX 1



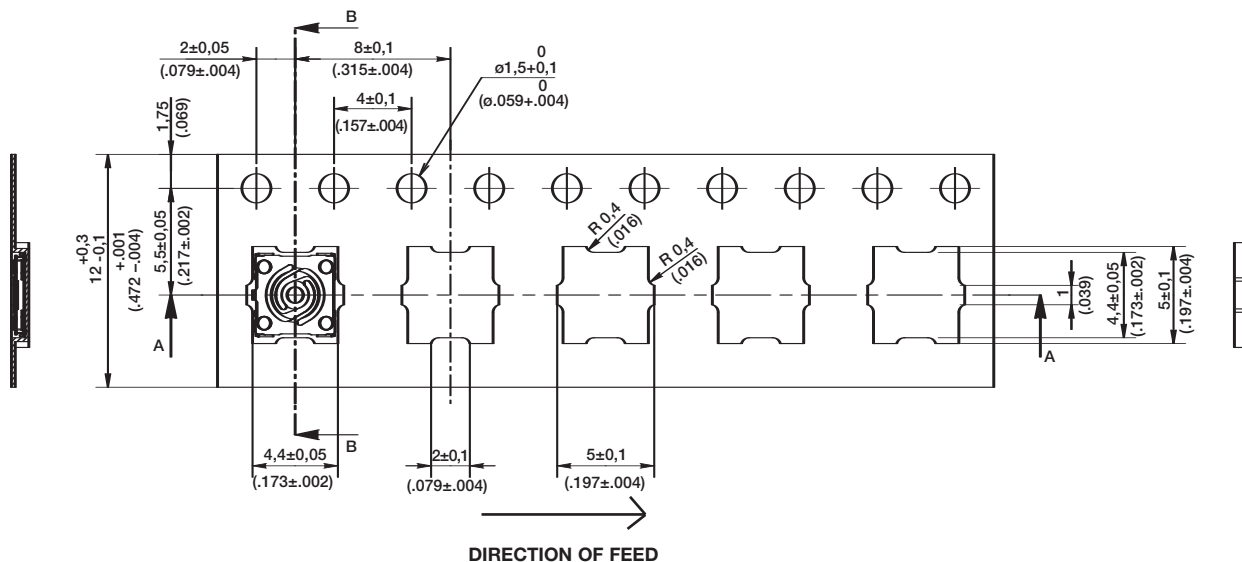
PAD LAYOUT



KMX 2



TAPE & REEL



First Angle
Projection

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