

KMX Series

Low Profile SMT Top Actuated



Features

- Ultra low profile 0.58mm
- Compact switch body; 4.1x4.1mm
- 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

OVERLOAD: 50N
TACTILE FEELING: 30% min.
ACTUATION CONDITION LIMITS:
- inclination: 4° max.
- de-centering:
 * series 100: 0.15 mm max.
 * series 200: 0.30 mm max.
- actuator diameter: 1 mm max. with 0.1 mm radius.

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

Tape and reels in reels of 10,000 pieces.
External diameter 380mm ± 2mm.

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

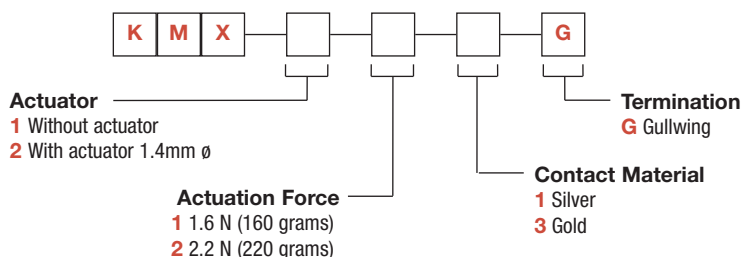
	Silver	Gold
OPERATING TEMPERATURE:	-40°C to 85°C	-40°C to 125°C
STORAGE TEMPERATURE:	-55°C to 85°C	-55°C to 125°C
RELATIVE HUMIDITY	90 to 96%	

Process

Infrared reflow soldering in accordance with IEC 61760-1

How To Order

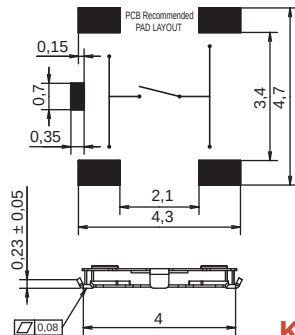
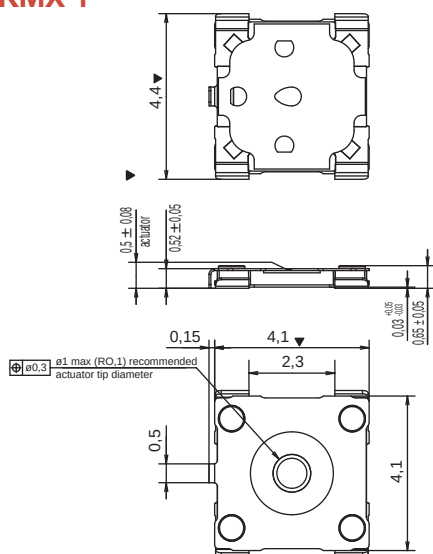
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



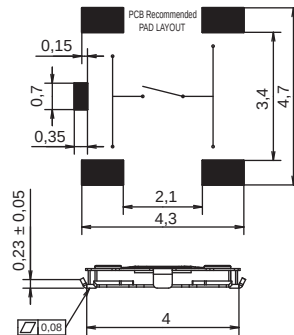
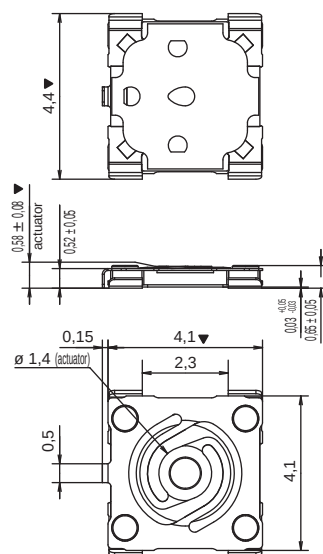
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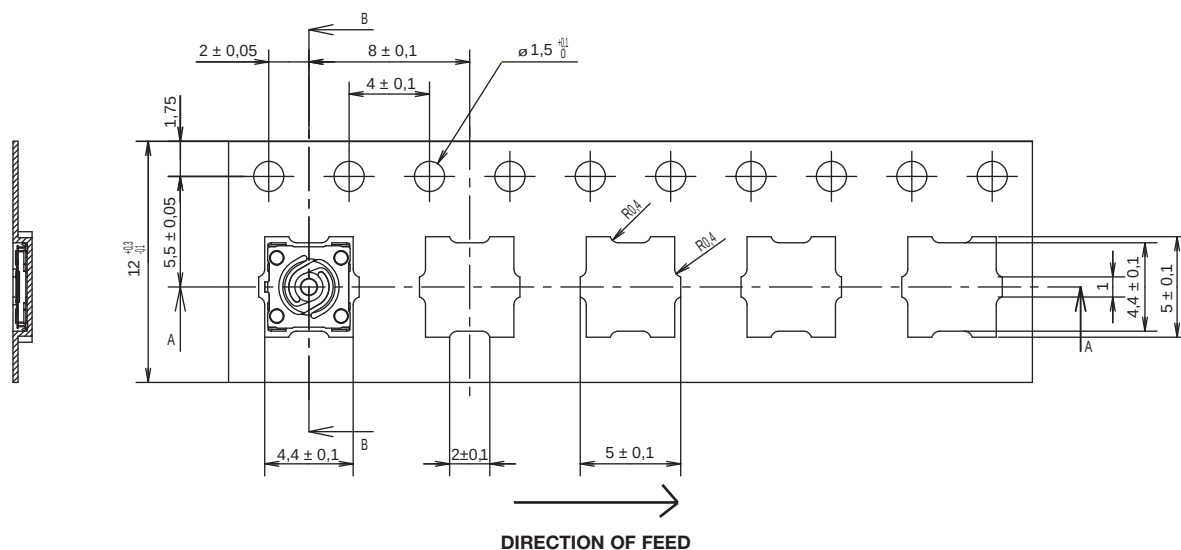
KMX 1



KMX 2



TAPE & REEL



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

www.ck-components.com