

KMS Series

Microminiature Side Actuated Tact Switch for SMT

Features/Benefits

- Compact size
- Excellent tactile feel
- Compatible with lead free soldering
- Grounded cover for EMC protection
- Date code marking

Typical Applications

- Mobile phones, pagers
- PDAs
- Medical handheld monitors
- Consumer electronics
- Telecommunication networks



Specification

FUNCTION: Momentary
CONTACT ARRANGEMENT: SPST, N.O.
TERMINALS: Gullwing type for SMT
IP40 Sealed

Mechanical

MAXIMUM ACTUATING FORCE: 20 N (4.4lbs.) during 25,000 cycles.
ACTUATING FORCE: 2.5 N±25%
LIFE EXPECTANCY: 100,000 operations
TRAVEL TO MAKE: 0.3 mm±0.15 mm
TOTAL TRAVEL: 0.45 mm
SHEAR FORCE RESISTANCE: 50 N

Packaging

Switches are delivered in tape and reels of 3,000 pieces. The reel diameter is 330 (12.992). The tape dimensions conform to the EIA-RS-481 and EC-286-6 norms.

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

Electrical

	Silver	Gold
MAXIMUM POWER:	1 VA	0.2 VA
MAXIMUM VOLTAGE:	50 VDC	50 VDC
MAXIMUM CURRENT DC:	50 mA	10 mA
MINIMUM CURRENT DC:	1 mA	1 mA

DIELECTRIC STRENGTH: 250 VDC
LIFE EXPECTANCY: 100,000 operations
CONTACT RESISTANCE: $\leq 100 \text{ m}\Omega$
INSULATION RESISTANCE: $10^9 \Omega$
BOUNCE TIME: $\leq 3 \text{ ms}$

Environmental

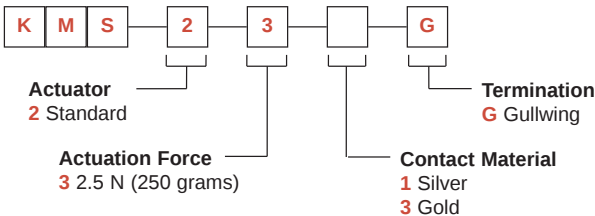
	Silver	Gold
OPERATING TEMPERATURE:	-40°C to 85°C	-40°C to 125°C
STORAGE TEMPERATURE:	-55°C to 85°C	-55°C to 125°C

Process

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

How To Order

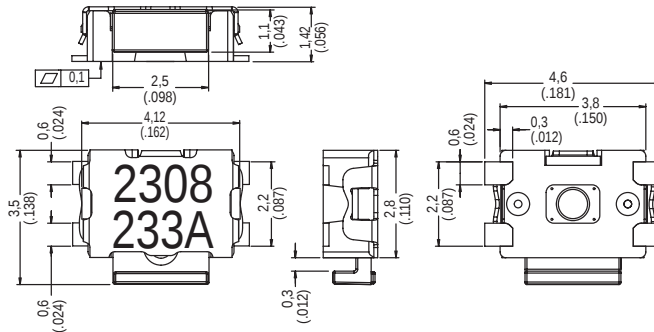
Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.



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SERIES ■■■■■■

KMS

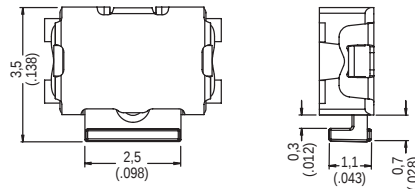


KMS231G

Each piece is date code printed:
1st Line: **2308** = Year 2002, **308** is day in the year
2nd Line: **233A** = Manufacturing code.

ACTUATOR ■■■■■■

2 STANDARD



ACTUATION FORCE ■■■■■■

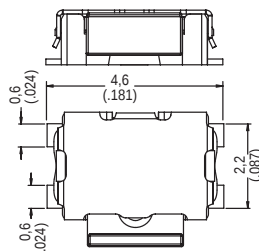
3 2.5 N (250 GRAMS)

CONTACT MATERIAL ■■■■■■

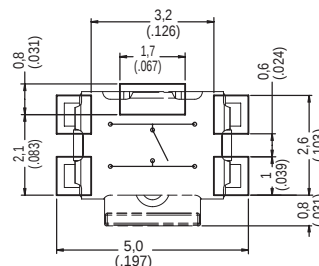
OPTION CODE	MATERIAL
1	SILVER
3	GOLD

TERMINATION ■■■■■■

G GULLWING



PAD LAYOUT

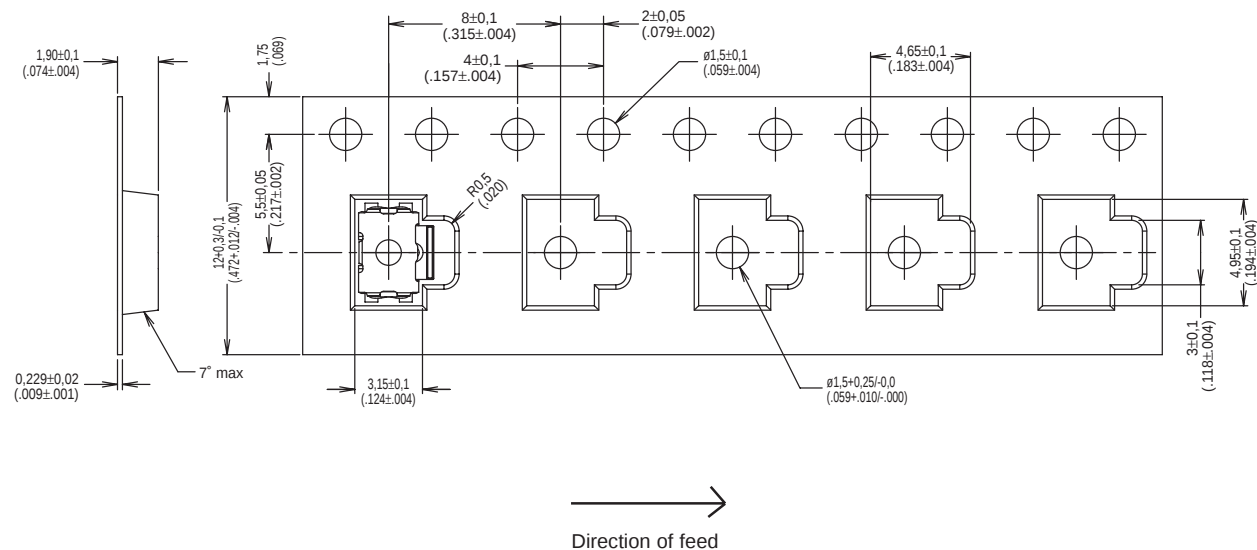


First Angle Projection
Dimensions are shown: mm (inch)
Dimensions subject to change

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TAPE & REEL



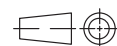
Tactile Switches

B



ITT Industries

Cannon



First Angle
Projection

Dimensions are shown: mm (inch)
Dimensions subject to change