

KMS Series Technical Data - Tact Switches



Features/Benefits

- Compact size
- Excellent tactile feel
- ESD protection
- Date code marking
- Positioning pegs for stability
- IP 40 sealing
- RoHS compliant and compatible

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

Type	Operating force Newtons (grams)	Operating life (operations)	Travel
KMS221G/GP	2N (200)	100 K cycles	0,25 ± 0,15
KMS223G/GP	2N (200)	100 K cycles	0,25 ± 0,15
KMS231G/GP	2.5N (250)	100 K cycles	0,3 ± 0,15
KMS233G/GP	2.5N (250)	100 K cycles	0,3 ± 0,15

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:	32 VDC	32 VDC
MAXIMUM CURRENT DC:	50 mA	10 mA
MINIMUM CURRENT DC:	1 mA	1 mA
DIELECTRIC STRENGTH: 250 VDC		
CONTACT RESISTANCE: ≤100 mΩ		
INSULATION RESISTANCE: 10 ⁹ Ω		
BOUNCE TIME: ≤ 3 ms		

Environmental

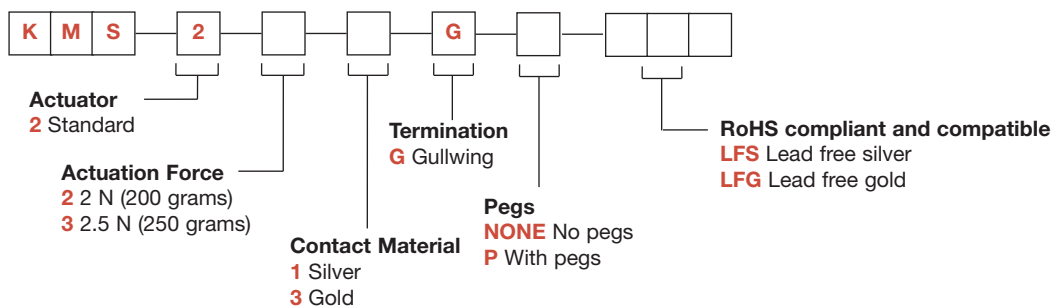
	Silver	Gold
OPERATING TEMPERATURE:	-40°C to 85°C	-40°C to 125°C
STORAGE TEMPERATURE:	-55°C to 85°C	-55°C to 125°C

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.

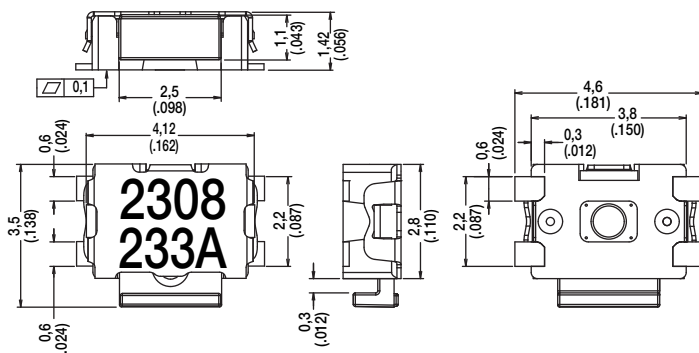


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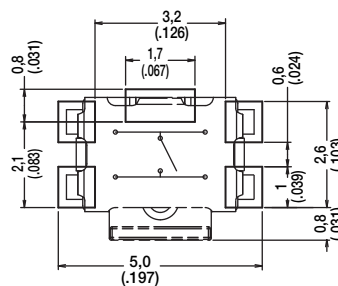
KMS



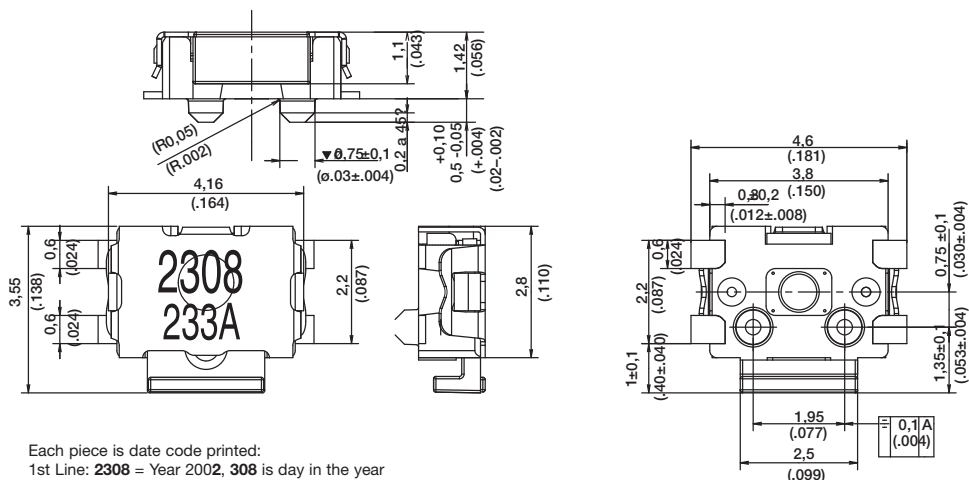
KMS231G



PAD LAYOUT

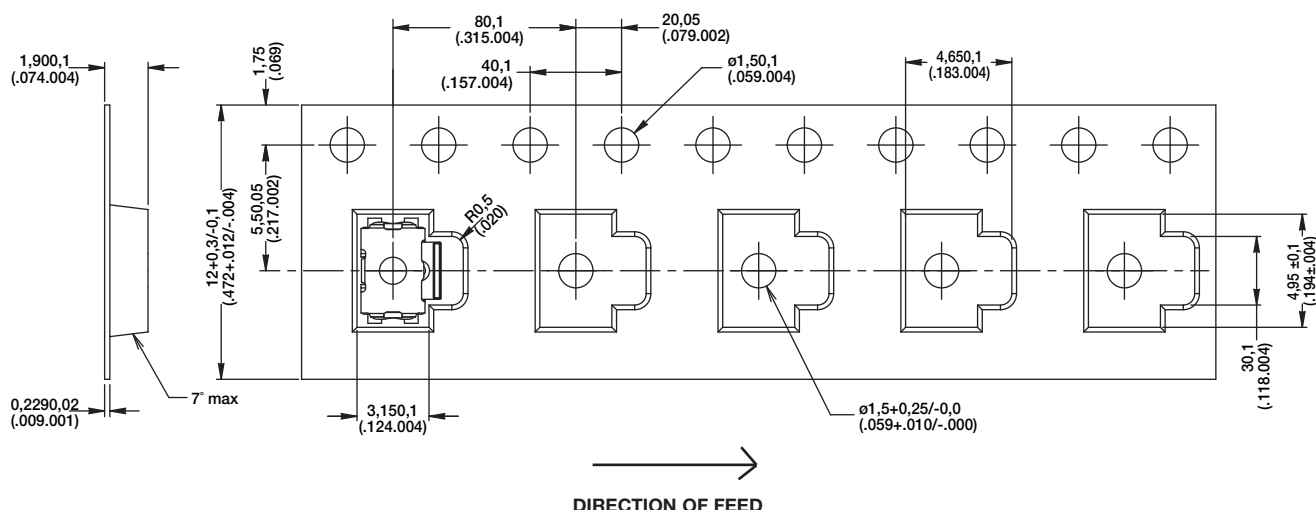


KMS WITH PEGS



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

TAPE & REEL



DIRECTION OF FEED



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

www.ittcannon.com