

KSS Series Subminiature Side Actuated Tact Switch for SMT



Features/Benefits

- Low profile of 1.6 mm
- Excellent tactile feel
- High shear force
- Range of actuation forces
- Large flat top
- Redundant contacts option
- Date code marking

Typical Applications

- Cellular phone
- PDA, pagers
- Industrial electronics
- Health diagnostic electronics

B
Tactile Switches

Specification

FUNCTION: momentary action
CONTACT ARRANGEMENT: N.O.
TERMINALS: Gullwing & 3-Way type for SMT

Mechanical

| Type | Operating force Newtons (grams) | Operating life (operations) | Travel |
|---------|------------------------------------|--------------------------------|------------|
| KSS221G | 2.0 (200) ± 25% | 100,000 | 0,3 ± 0,15 |
| KSS231G | 2.5 (250) ± 20% | 100,000 | 0,3 ± 0,10 |
| KSS233W | 2.5 (200) ± 25% | 100,000 | 0,3 ± 0,15 |
| KSS241G | 4.0 (400) ± 25% | 100,000 | 0,3 ± 0,15 |

Electrical

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

DIELECTRIC STRENGTH: ≥ 250 VDC
CONTACT RESISTANCE: ≤ 100 mΩ
INSULATION RESISTANCE (100 VDC): ≥ 10⁹ 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

SOLDERING: Infrared reflow in accordance with CECC00802

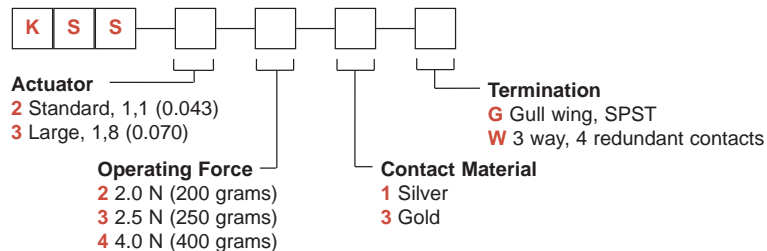
Packaging

Switches are delivered in tape and reels of 3,000 pieces. The reel diameter is 330mm (12.992 x .15). The tape dimensions conform to the EIA-RS-481 and CE-2863 norms.

NOTE: Part numbers listed above do not represent all possible configurations. For information on specific and custom switches, consult Customer Service Center.

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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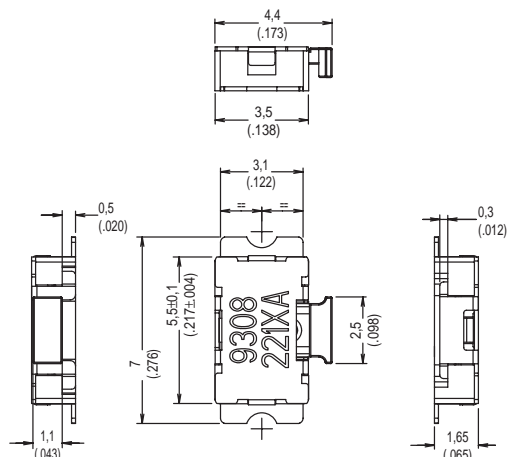
SERIES

KSS



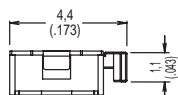
KSS221G

Each piece is date code printed:
1st Line: 9308 = Year 1999, 308 day in the year
2nd Line: 221XA = Manufacturing code.

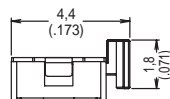


ACTUATOR

2 STANDARD, 1,1 (0.043)



3 LARGE, 1,8 (0.070)



OPERATING FORCE

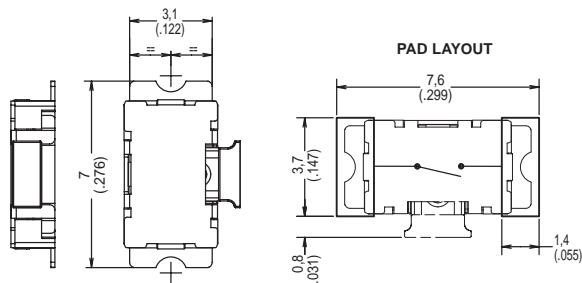
| OPTION CODE | OPERATING FORCE |
|-------------|-------------------|
| 2 | 2.0 N (200 grams) |
| 3 | 2.5 N (250 grams) |
| 4 | 4.0 N (400 grams) |

CONTACT MATERIAL

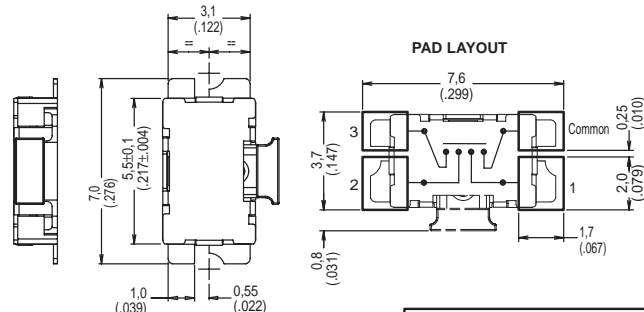
| OPTION CODE | MATERIAL |
|-------------|----------|
| 1 | SILVER |
| 3 | GOLD |

TERMINATION

G GULLWING

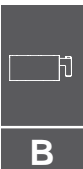
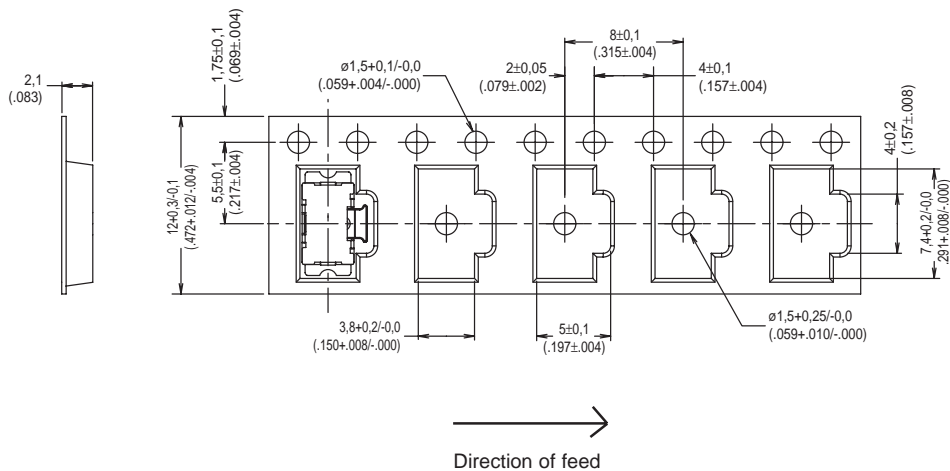


W 3 WAY, 4 REDUNDANT CONTACTS



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TAPE & REEL



B

Tactile Switches