

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*

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

Packaging

Switches are delivered in tape and reels of 3,000 pieces. The reel diameter is 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.

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): ≥ 10^9 Ω
BOUNCE TIME: ≤ 3 ms

Environmental

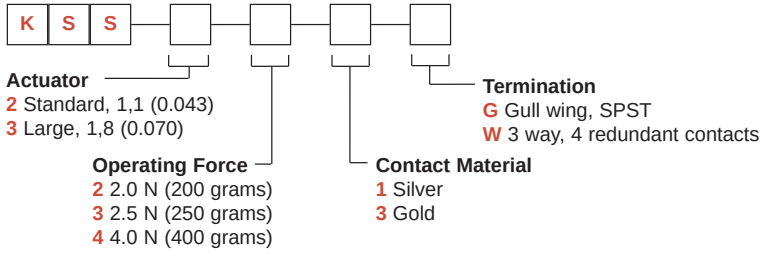
	Silver	Gold
OPERATING TEMPERATURE:	-40˚C to 85˚C	-40˚C to 125˚C
STORAGE TEMPERATURE:	-55˚C to 85˚C	-55˚C to 125˚C

Process

SOLDERING: Infrared reflow in accordance with CECC00802

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.



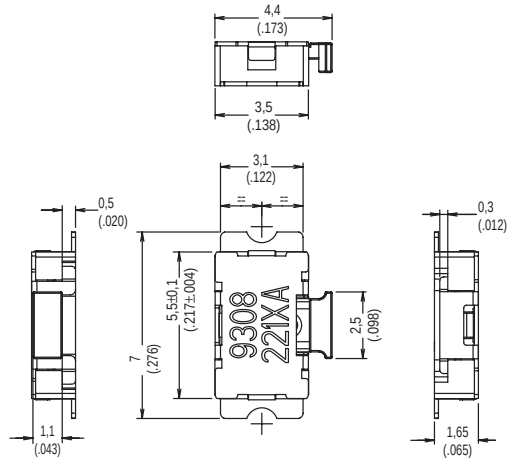
KSS Series
Subminiature Side Actuated Tact Switch for SMT

SERIES

KSS



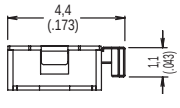
KSS221G



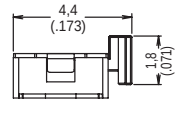
Each piece is date code printed:
1st Line: **9308** = Year 1999, **308** day in the year
2nd Line: **221XA** = Manufacturing code.

ACTUATOR

2 STANDARD, 1,1 (0.043)



3 LARGE, 1,8 (0.070)



OPERATING FORCE

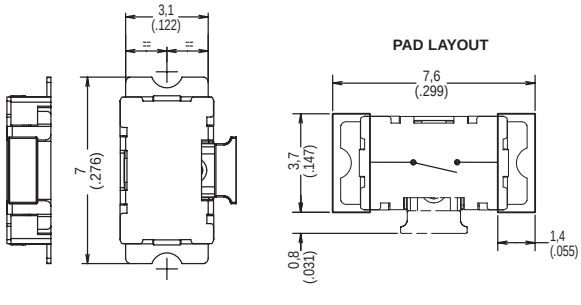
OPTION CODE	OPERATING FORCE
2	2.0 N (200 grams)
3	2.5 N (250 grams)
4	4.0 N (400 grams)

CONTACT MATERIAL

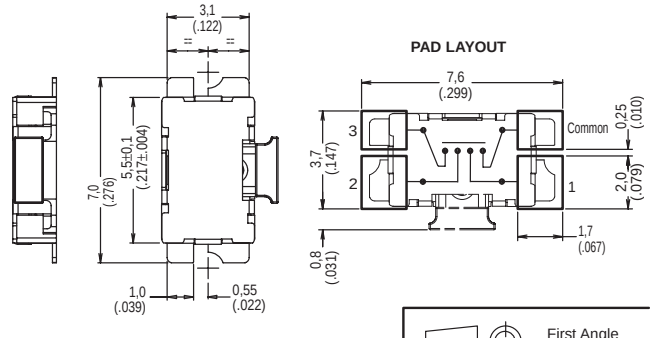
OPTION CODE	MATERIAL
1	SILVER
3	GOLD

TERMINATION

G GULLWING



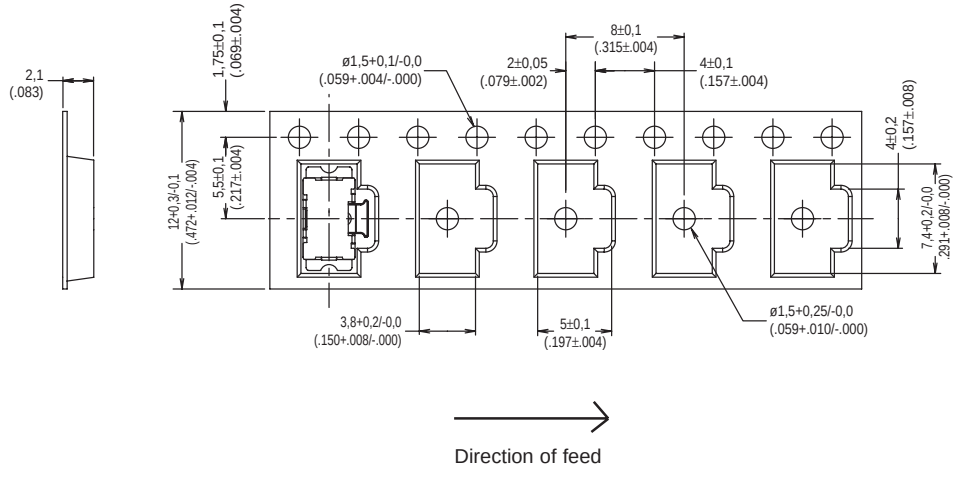
W 3 WAY, 4 REDUNDANT CONTACTS



First Angle Projection

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

TAPE & REEL



First Angle Projection

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