

KSR Series

Subminiature Tact Switch for SMT

Features/Benefits

- Saves PCB space
- Range of 4 actuation forces
- J or G terminations
- N.O. or N.C. contacts
- Detect type available
- Soft actuator

Typical Applications

- Automotive
- Cellular phones & accessories
- Industrial electronics
- Computers & network equipment



Specification

FUNCTION: momentary action
CONTACT ARRANGEMENT: N.O.
TERMINALS: J bend & Gullwing type for SMT

Mechanical

Type	Operating force Newtons (grams)	Operating life (operations)	Travel
KSR211/213	1.2 (120) ± 30%	100,000	0,3 ± 0,15
KSR221/223	2.0 (200) ± 25%	200,000	0,5 ± 0,15
KSR231/233	3.0 (300) ± 25%	200,000	0,5 ± 0,15
KSR251/253	4.5 (450) ± 25%	100,000	0,5 ± 0,15
KSR2D3J	1.5 (150) ± 25%	100,000	0,3 ± 0,15
KSR223GNC	2 (200) ± 25%	100,000	0,3 ± 0,15

Electrical

	Silver	Gold
MAXIMUM POWER:	1 VA	0.2 VA
MAXIMUM VOLTAGE:	50 VDC	50 VDC
MINIMUM VOLTAGE:	20 mV	20 mV
MAXIMUM CURRENT DC:	50 mA	10 mA
MINIMUM CURRENT DC:	1 mA	1 mA

CONTACT RESISTANCE: ≤ 100 mΩ
INSULATION RESISTANCE (100 V): 10⁹ Ω
BOUNCE TIME: 1 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

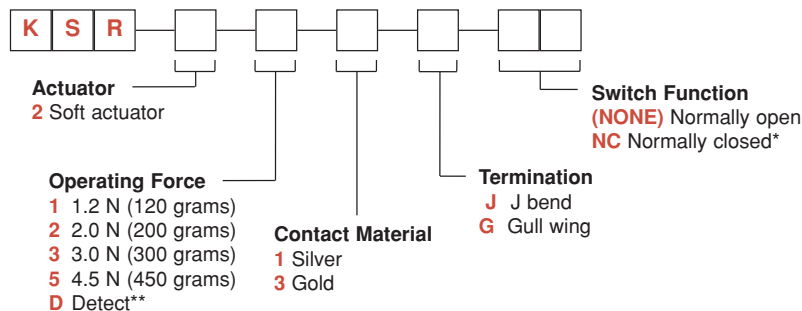
NOTE: Part numbers listed above do not represent all possible configurations.
For information on specific and custom switches, consult Customer Service Center.

Packaging

Switches are delivered on continuous tape, in reels of 2,500 pieces.

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.



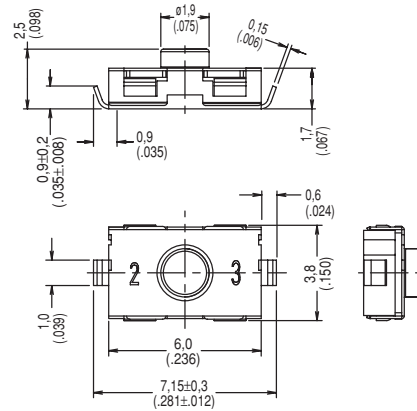
*Available on KSR223GNC only.

**D contact is recommended for long period of closing. No tactile feel. KSR2D3J only.

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SERIES 

KSR

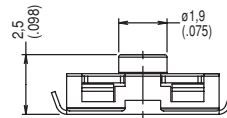


B

Tactile Switches

ACTUATOR 

2 Soft Actuator



OPERATING FORCE 

OPTION CODE	OPERATING FORCE
1	1.2 N (120 grams)
2	2.0 N (200 grams)
3	3.0 N (300 grams)
5	4.0 N (400 grams)
D*	DETECT

*D contact is recommended for long period of closing.
No tactile feel. KSR2D3J only.

CONTACT MATERIAL 

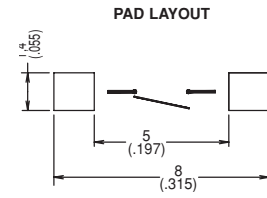
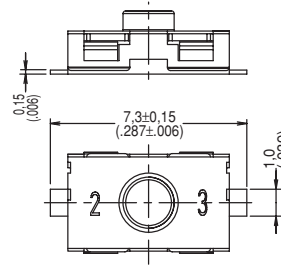
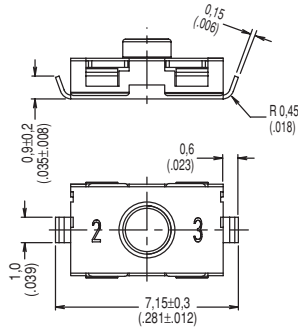
OPTION CODE	MATERIAL
1	SILVER
3	GOLD

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TERMINATION

J J BEND

G GULLWING

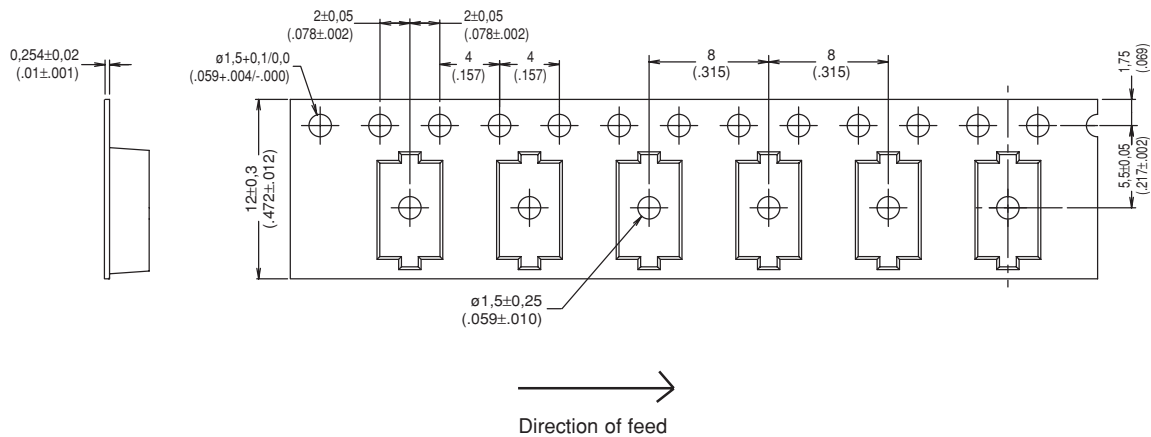


SWITCH FUNCTION

OPTION CODE	FUNCTION
NONE	NORMALLY OPEN
NC*	NORMALLY CLOSED

*Available on KSR223GNC only.

TAPE & REEL



Direction of feed