

KMR Series Microminiature Tact Switch for SMT



Features/Benefits

- Compact size
- Range of 4 actuation forces
- Excellent tactile feel
- Compatible with lead free soldering
- EMC protection
- Extra large actuator

Typical Applications

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

Specification

FUNCTION: momentary action

CONTACT ARRANGEMENT: 1 make contact = SPST, N.O.

TERMINALS: Gullwing type for SMT

Mechanical

MAXIMUM ACTUATING FORCE: 40 N (8.8 lbs) during 25,000 cycles

Type	Operating force Newtons (grams)	Operating life (operations)	Travel
KMR211G/213G	1.0 (100) ± 0.25	200,000	0,20 ± 0,10
KMR221G/223G	2.0 (200) ± 0.50	200,000	0,25 ± 0,10
KMR231G/233G	3.0 (300) ± 0.75	100,000	0,25 ± 0,10
KMR241G/243G	4.0 (400) ± 1.00	100,000	0,30 ± 0,10

Packaging

Switches are delivered in tape and reels of 7,000 pieces. The reel diameter is 330 (12.992). The tape dimensions conform to the EIA-RS-481 and EC-286-6 norms.

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

Electrical

MAXIMUM POWER:

Silver

Gold

MAXIMUM VOLTAGE:

1 VA

0.2 VA

MAXIMUM CURRENT DC:

50 VDC

50 VDC

MINIMUM CURRENT DC:

50 mA

10 mA

MINIMUM CURRENT DC:

1 mA

1 mA

CONTACT RESISTANCE: ≤ 100 mΩ

INSULATION RESISTANCE: ≥ 1 GΩ

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

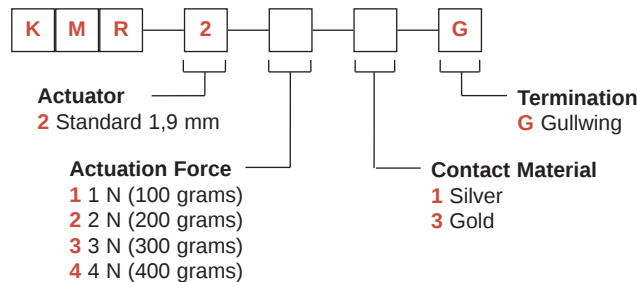
-55°C to 125°C

Process

Soldering: Infrared reflow in accordance with CECC00802

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.



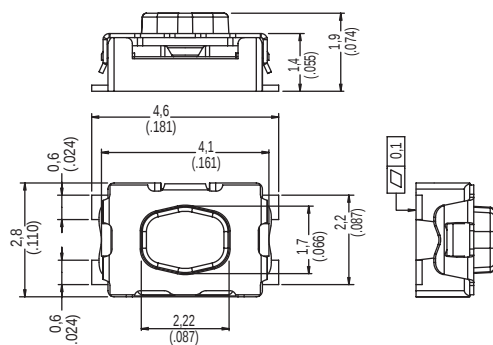
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SERIES 

KMR

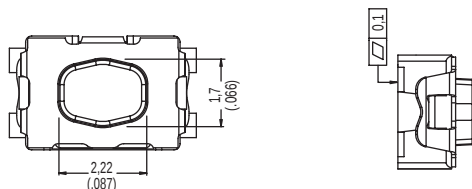


KMR211G



ACTUATOR 

2 STANDARD 1,9 mm



ACTUATION FORCE

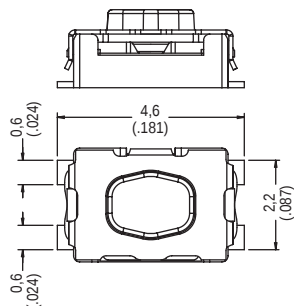
OPTION CODE	FORCE
1	1 N (100 grams)
2	2 N (200 grams)
3	3 N (300 grams)
4	4 N (400 grams)

CONTACT MATERIAL

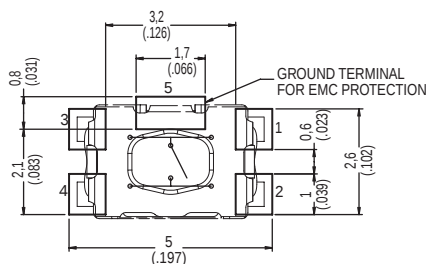
OPTION CODE	MATERIAL
1	SILVER
3	GOLD

TERMINATION

G GULLWING



PAD LAYOUT



ITT Industries

Cannon



First Angle
Projection

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

www.ittcannon.com

