

# KMR 6 Series

## Microminiature SMT Top Actuated IP67

### Features/Benefits

- Watertight IP67
- Standard and long life versions
- No ground pin
- Ultra low current capabilities
- Excellent tactile feel

### Typical Applications

- Automotive
- Medical
- Consumer
- Industrial



### Specification

FUNCTION: momentary action

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

TERMINALS: Gullwing type for SMT

### Mechanical

Type NG See description below	Operating force N (grs)	Operating life (cycles)	Travel (mm)
KMR611NG LFS	1.2 (120) ± 0.30	200,000	0.20 mm ± 0.1
KMR611NG ULC LFS	1.2 (120) ± 0.30	200,000	0.20 mm ± 0.1
KMR613NG LFG	1.2 (120) ± 0.30	200,000	0.20 mm ± 0.1
KMR613NG ULC LFG	1.2 (120) ± 0.30	200,000	0.20 mm ± 0.1
KMR621NG LFS	2.0 (200) ± 0.50	200,000	0.25 mm ± 0.1
KMR621NG ULC LFS	2.0 (200) ± 0.50	200,000	0.25 mm ± 0.1
KMR623NG LFG	2.0 (200) ± 0.50	200,000	0.25 mm ± 0.1
KMR623NG ULC LFG	2.0 (200) ± 0.50	200,000	0.25 mm ± 0.1
KMR631NG LFS	3.0 (300) ± 0.75	150,000	0.25 mm ± 0.1
KMR631NG ULC LFS	3.0 (300) ± 0.75	150,000	0.25 mm ± 0.1
KMR632NG LFS	3.0 (300) ± 0.75	300,000	0.25 mm ± 0.1
KMR632NG ULC LFS	3.0 (300) ± 0.75	300,000	0.25 mm ± 0.1
KMR633NG LFG	3.0 (300) ± 0.75	150,000	0.25 mm ± 0.1
KMR633NG ULC LFG	3.0 (300) ± 0.75	150,000	0.25 mm ± 0.1
KMR641NG LFS	4.0 (400) ± 1.00	100,000	0.30 mm ± 0.1
KMR641NG ULC LFS	4.0 (400) ± 1.00	100,000	0.30 mm ± 0.1
KMR642NG LFS	4.0 (400) ± 1.00	200,000	0.30 mm ± 0.1
KMR642NG ULC LFS	4.0 (400) ± 1.00	200,000	0.30 mm ± 0.1
KMR643NG LFG	4.0 (400) ± 1.00	100,000	0.30 mm ± 0.1
KMR643NG ULC LFG	4.0 (400) ± 1.00	100,000	0.30 mm ± 0.1

### Electrical

MAXIMUM POWER:

Silver

1 VA

Gold

0.2 VA

MAXIMUM VOLTAGE:

32 VDC

32 VDC

MINIMUM VOLTAGE:

20 mVDC

20 mVDC

MAXIMUM CURRENT:

50 mA

10 mA

MINIMUM CURRENT:

1 mA\*

1 mA\*

DIELECTRIC STRENGTH:

≥ 250 Vrms

CONTACT RESISTANCE:

≤ 100 mΩ

INSULATION RESISTANCE:

≥ 1GΩ

BOUNCE TIME:

≤ 3 ms

\*For ULC version minimum current is 1μA at 1.8 VDC

### 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: Lead free reflow soldering process in accordance with IEC 61760-1.

### Packaging

In reels of 7,000 pieces

External diameter 330 mm ± 2 mm

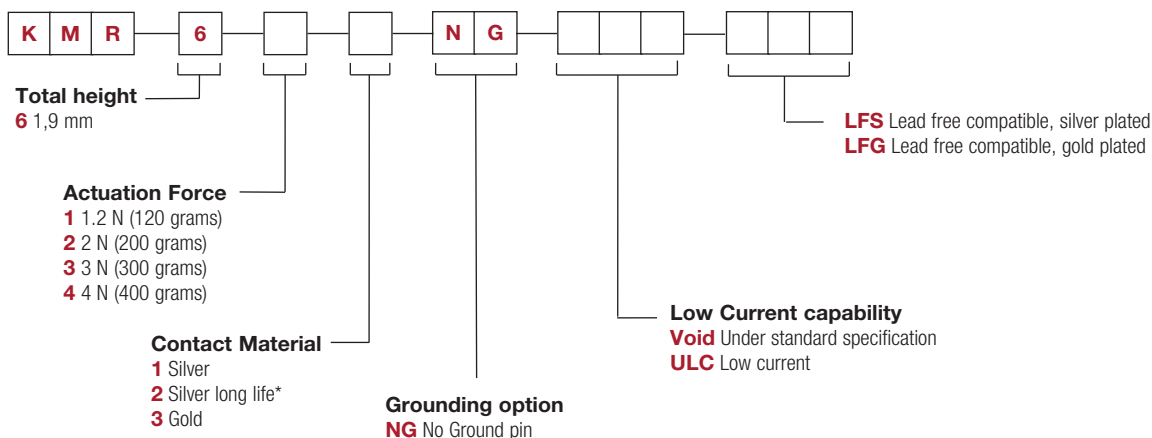
NOTE: Specifications listed above are for switches with standard options.

For information on specific and custom switches, consult Customer Service Center.

TACTILE FEELING: KMR 6 series with actuation force in 2N - 3N - 4N: ≥ 30%  
KMR 6 series with actuation force in 1.2N: ≥ 20%

### Part Number Description

For any part number different from those listed above, please consult your local representative.



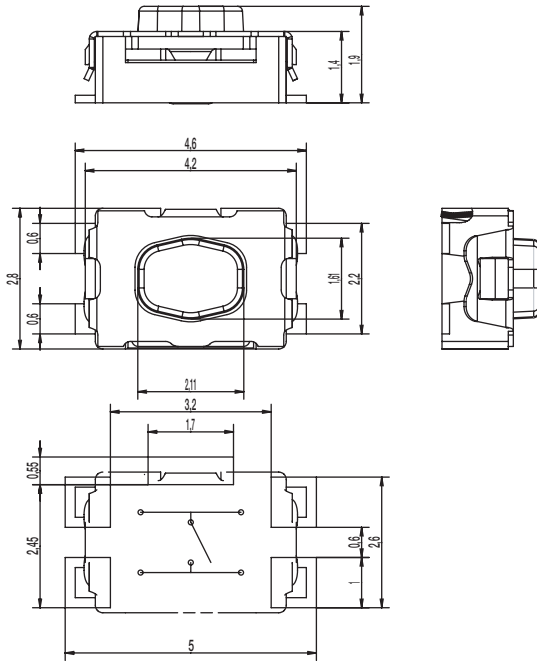
\* Silver long life is available in 3N and 4N actuation force. For other versions, please contact Customer Service.

# KMR 6 Series

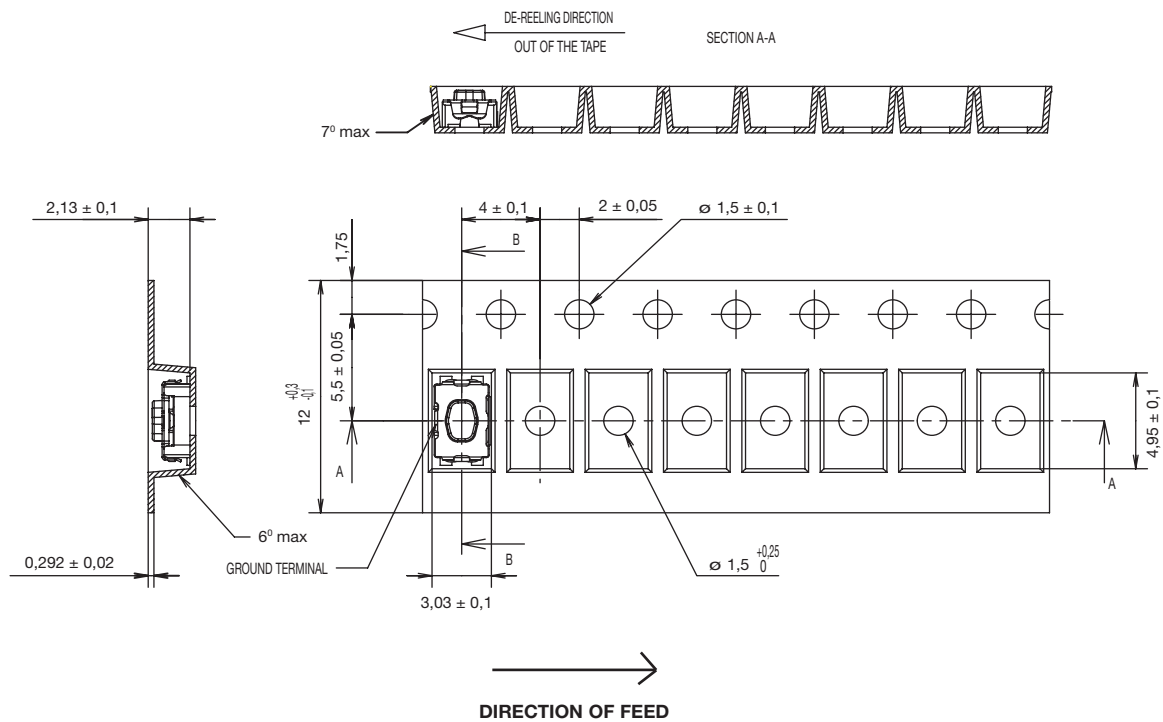
## Microminiature SMT Top Actuated IP67

KMR 6 Series - 1.9 mm height

PCB layout shown with ground pin option



### TAPE & REEL



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## C&K Switches:

[KMR641NG ULC LFS](#) [KMR621NG LFS](#) [KMR631NG ULC LFS](#) [KMR621NGLFS](#) [KMR631NGULCLFS](#)  
[KMR641NGULCLFS](#)