KMR 2 Series
Microminiature SMT Top Actuated

Features/Benefits
• Long Life version
• 4 actuation forces
• Optional ground pin
• Ultra low current capabilities
• Excellent tactile feel

Typical Applications
• Automotive
• Cellular phones
• Industrial electronics
• Medical equipment

Specifications and dimensions subject to change
www.ck-components.com

Features
FUNCTION: momentary action
CONTACT ARRANGEMENT: 1 make contact = SPST, N.O.
TERMINALS: Gullwing type for SMT

Mechanical
Type G and NG (except gold version G only)

<table>
<thead>
<tr>
<th>Type</th>
<th>Operating force (N)</th>
<th>Travel (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KMR211 LFS</td>
<td>1.2 (120) ± 0.30</td>
<td>0.20 mm ± 0.1</td>
</tr>
<tr>
<td>KMR213 LFG</td>
<td>1.2 (120) ± 0.30</td>
<td>0.20 mm ± 0.1</td>
</tr>
<tr>
<td>KMR221 LFS</td>
<td>2.0 (200) ± 0.50</td>
<td>0.25 mm ± 0.1</td>
</tr>
<tr>
<td>KMR223G LFG</td>
<td>2.0 (200) ± 0.50</td>
<td>0.25 mm ± 0.1</td>
</tr>
<tr>
<td>KMR231 LFS</td>
<td>3.0 (300) ± 0.75</td>
<td>0.25 mm ± 0.1</td>
</tr>
<tr>
<td>KMR233G LFG</td>
<td>3.0 (300) ± 0.75</td>
<td>0.25 mm ± 0.1</td>
</tr>
<tr>
<td>KMR231 ULC LFS</td>
<td>3.0 (300) ± 0.75</td>
<td>0.25 mm ± 0.1</td>
</tr>
<tr>
<td>KMR232 LFS</td>
<td>3.0 (300) ± 0.75</td>
<td>0.25 mm ± 0.1</td>
</tr>
<tr>
<td>KMR232 ULC LFS</td>
<td>3.0 (300) ± 0.75</td>
<td>0.25 mm ± 0.1</td>
</tr>
<tr>
<td>KMR241 LFS</td>
<td>4.0 (400) ± 1.00</td>
<td>0.30 mm ± 0.1</td>
</tr>
<tr>
<td>KMR243G LFG</td>
<td>4.0 (400) ± 1.00</td>
<td>0.30 mm ± 0.1</td>
</tr>
<tr>
<td>KMR241 ULC LFS</td>
<td>4.0 (400) ± 1.00</td>
<td>0.30 mm ± 0.1</td>
</tr>
<tr>
<td>KMR242 LFS</td>
<td>4.0 (400) ± 1.00</td>
<td>0.30 mm ± 0.1</td>
</tr>
<tr>
<td>KMR242 ULC LFS</td>
<td>4.0 (400) ± 1.00</td>
<td>0.30 mm ± 0.1</td>
</tr>
</tbody>
</table>

TACTILE FEELING: for KMR 2 series: ≥ 30% (1.2N at 20%)

Electrical
MAXIMUM POWER: 1 VA 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*

CONTACT RESISTANCE: ≤ 100 mΩ
INSULATION RESISTANCE: ≥ 1GΩ
BOUNCE TIME: ≤ 3 ms

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

Environmental
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
Infrared Reflow Soldering in accordance with IEC61760-1

Packaging
In reels of 7,000 pieces for KMR 2

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.

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

Specifications and dimensions subject to change
Dimensions are shown: mm
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KMR 2 Series
Microminiature Tact Switch for SMT

KMR 2 Series - 1.9 mm height

PCB layout shown with ground pin option

Tape & Reel

DE-REELING DIRECTION
OUT OF THE TAPE
SECTION A-A

7° max

DIRECTION OF FEED

Dimensions are shown: mm
Specifications and dimensions subject to change

C&K
9 aug 12