Features/Benefits

- Low profile of 1.7 mm
- Excellent tactile feel
- High shear force
- Range of actuation forces
- Large flat top
- RoHS compliant and compatible

Typical Applications

- Cellular phone
- Industrial electronics
- Health diagnostic electronics

Specification

FUNCTION: momentary action
CONTACT ARRANGEMENT: N.O.
TERMINALS: Gullwing
IP40 sealed

Mechanical

OVERLOAD: 20N
TACTILE FEELING: 2 and 4N: 25% min. 2.5N: 30% min.

<table>
<thead>
<tr>
<th>Type</th>
<th>Operating force (Newtons)</th>
<th>Operating life (operations)</th>
<th>Travel (mm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KSS221G</td>
<td>2.0 (200) ± 0.5</td>
<td>100,000</td>
<td>0.3 ± 0.15</td>
</tr>
<tr>
<td>KSS231G</td>
<td>2.5 (250) ± 0.5</td>
<td>100,000</td>
<td>0.3 ± 0.10</td>
</tr>
<tr>
<td>KSS241G</td>
<td>4.0 (400) ± 1.0</td>
<td>100,000</td>
<td>0.3 ± 0.15</td>
</tr>
</tbody>
</table>

Electrical

MAXIMUM POWER: 1 VA 0.2 VA
MAXIMUM VOLTAGE: 32 VDC 32 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): ≥ 10^6 Ω
BOUNCE TIME: < 3 ms

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

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

Packaging

Tape and reels in reels of 3,000 pieces.
External diameter 330mm ± 2mm.

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.

However, please note that all the combinations of these options are not feasible. For any part number different from those listed above, please consult your local representative.

Actuator

2 Standard, 1.1 (0.043)
3 Large, 1.8 (0.070)

Operating Force

2 2.0 N (200 grams)
3 2.5 N (250 grams)
4 4.0 N (400 grams)

Termination

G Gull wing, SPST

Contact Material

1 Silver
3 Gold

LFS RoHS compliant and compatible. Silver plated.
LFG RoHS compliant and compatible. Gold plated.
KSS Series
Subminiature SMT Side Actuated

KSS

PCB PROPOSED LAYOUT

ACTUATOR

2 STANDARD, 1.1 (0.043)

3 LARGE, 1.8 (0.070)

TAPE & REEL

Dimensions are shown: mm
Specifications and dimensions subject to change

www.ckswitches.com