KSU Series
Micro Mini Surface Mount Detect Switches

**Features/Benefits**
- New multi contact construction
- Metal actuator
- Low actuating force
- RoHS compliant and compatible

**Typical Applications**
- Mobile phones and other handheld devices
- Portable medical devices
- Audio devices
- Alarm devices
- Payment terminals
- Smart meters

**Specifications**

**FUNCTION:** Momentary action.
**CONTACT TYPE:** SPST Normally open.
**TERMINALS:** Gullwing type for SMT.

**Mechanical**

**SWITCHING FORCE:** 0.7 ± 0.5 N
**TRAVEL TO MAKE:** 0.65 mm - 0.45/0.25 mm
**MECHANICAL TRAVEL:** 1.5 ± 0.2 mm
**OPERATING LIFE:** 100,000 cycles

**Packaging**

Switches are delivered on continuous tape, in reels of 1,000 pieces

**Electrical**

<table>
<thead>
<tr>
<th></th>
<th>GOLD</th>
<th>SILVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAXIMUM POWER</td>
<td>0.2 VA</td>
<td>0.1 VA</td>
</tr>
<tr>
<td>MAXIMUM VOLTAGE</td>
<td>32 VDC</td>
<td>32 VDC</td>
</tr>
<tr>
<td>MINIMUM VOLTAGE</td>
<td>20 mV</td>
<td>20 mV</td>
</tr>
<tr>
<td>MAXIMUM CURRENT</td>
<td>10 mA</td>
<td>50 mA</td>
</tr>
<tr>
<td>MINIMUM CURRENT</td>
<td>0.01 mA</td>
<td>1 mA</td>
</tr>
<tr>
<td>CONTACT RESISTANCE</td>
<td>≤100 mΩ</td>
<td></td>
</tr>
<tr>
<td>INSULATION RESISTANCE</td>
<td>(100 VDC) 10^3 Ω</td>
<td></td>
</tr>
<tr>
<td>DIELECTRIC STRENGTH</td>
<td>≥ 250 Vrms</td>
<td></td>
</tr>
<tr>
<td>BOUNCE TIME</td>
<td>≤ 3 ms</td>
<td></td>
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**Environmental**

**OPERATING TEMPERATURE:** –40ºC to +125ºC
**STORAGE TEMPERATURE:** –55ºC to +125ºC

**Process**

SOLDERING: Compatible with lead free reflow process

**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.

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

**Designation**

KSU

**Actuation**

2 Standard

**Actuation Force**

1 0.7 N (70 grams)

**Contact Material**

1 Silver
3 Gold

**Travel**

W Standard travel

**LFS** RoHS compliant and compatible. Silver Plated

**LFG** RoHS compliant and compatible. Gold Plated