

KSU Series

Micro Mini Surface Mount Detect Switches



Features/Benefits

- New multi contact construction
- Metal actuator
- Low actuating force
- Gold contacts
- Compatible with pick and place machines
- RoHS compliant and compatible

Typical Applications

- Mobile phones and other handheld devices
- Portable medical devices
- Audio devices
- Automotive
- Alarm devices
- Payment terminals

Specifications

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

Mechanical

ACTUATING FORCE:
 W version: 1,1 N ±0,8 N
 ST version: 0,7 N ±0,5 N

TRAVEL TO MAKE:
 W version: 0,65 mm - 0,45/+0,25 mm
 ST version: 0,45 mm - 0,25/+0,1 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

MAXIMUM POWER: 0.2 VA
 MAXIMUM VOLTAGE: 32 VDC
 MINIMUM VOLTAGE: 20 mV
 MAXIMUM CURRENT: 0.01 A
 MINIMUM CURRENT: 0.01 mA
 CONTACT RESISTANCE: ≤ 100 mΩ
 INSULATION RESISTANCE: (100 VDC) 10⁹ Ω
 DIELECTRIC STRENGTH: ≥ 250 Vrms
 BOUNCE TIME: ≤ 3 ms

Environmental

OPERATING TEMPERATURE: -40°C to +125°C
 STORAGE TEMPERATURE: -55°C to + 125°C

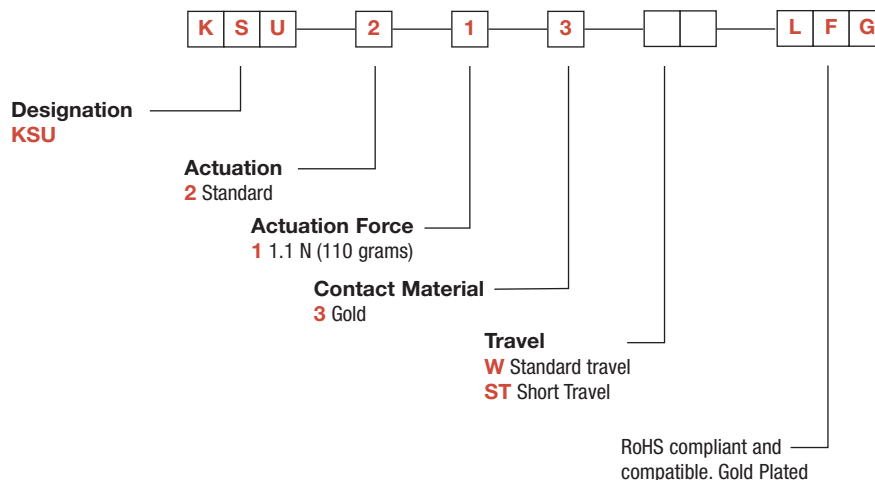
Process

SOLDERING: Compatible with lead free reflow process

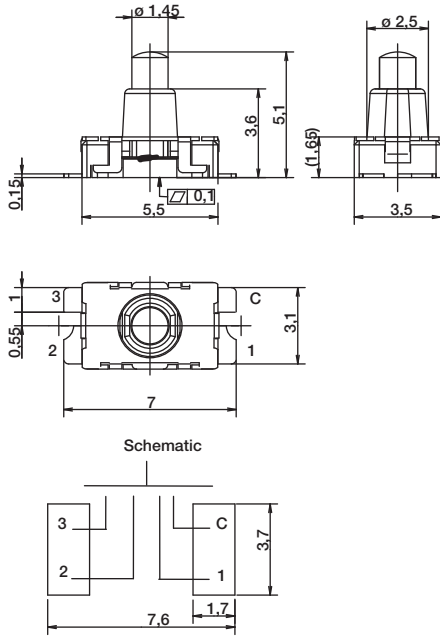
NOTE: Specifications listed above are for switches with standard options.
 For information on specific and custom switches, consult Customer Service Center.

Build-A-Switch

To order, simply select desired option from each category and place in the appropriate box. Available options are shown and described on page E-17. For additional options not shown in catalog, consult our Customer Service Center.



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TAPE & REEL



Detect