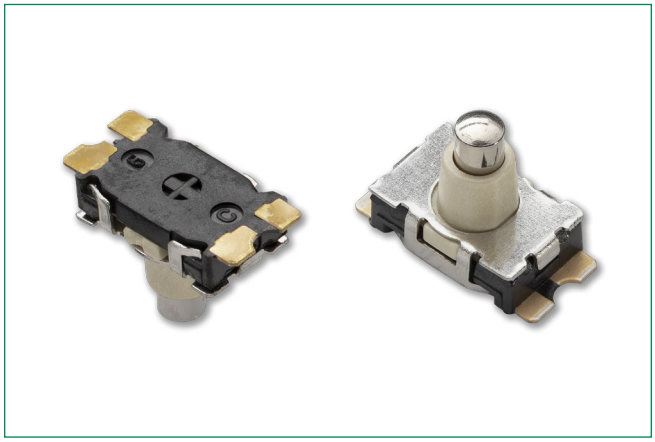
KSU Series
Micro Mini Surface Mount Detect Switches



Description

For engineers designing audio devices, alarms or medical devices, the KSU series micro mini surface mount detect switch is a perfect match. Featuring multi-contact construction, a metal actuator and low actuating force, the KSU series is high-performance and long lasting – while being tough enough for today's devices.

Features & Benefits

- New multi contact construction
- Metal actuator
- Low actuating force
- RoHS compliant and compatible

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 Characteristics

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 Characteristics

	Gold	**Silver**
Max. Power	0.2 VA	0.1 VA
Min./Max. Voltage	20 mV - 32 VDC	
Min./Max. Current	0.01 mA - 10 mA	1 mA - 50 mA
Contact Resistance	≤ 100 mΩ	
Insulation Resistance	(100 VDC) 10^9 Ω	
Dielectric Strength	≥ 250 Vrms	
Bounce Time	≤ 3 ms	

Environmental Characteristics

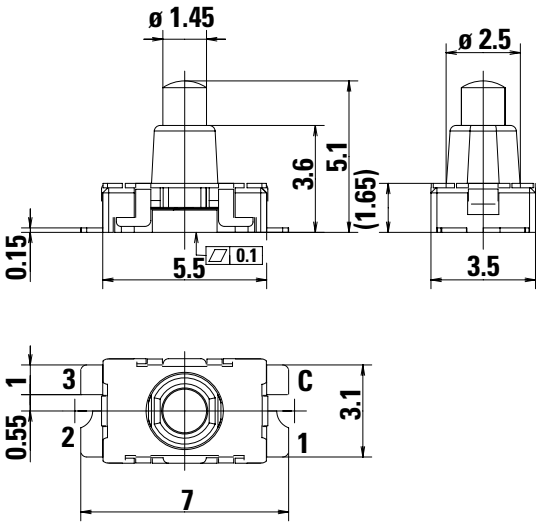
Operating Temperature	-40°C to 125°C	-40°C to 85°C
Storage Temperature	-55°C to 125°C	-40°C to 85°C

Process

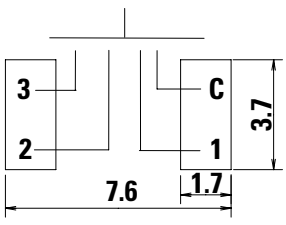
Soldering	Compatible with lead free reflow process

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

Dimensions (in mm)



Schematic



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Ordering Number

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.

KSU - 2 - 1 - x - W - xxx

Designation
KSU

Actuation
2: Standard

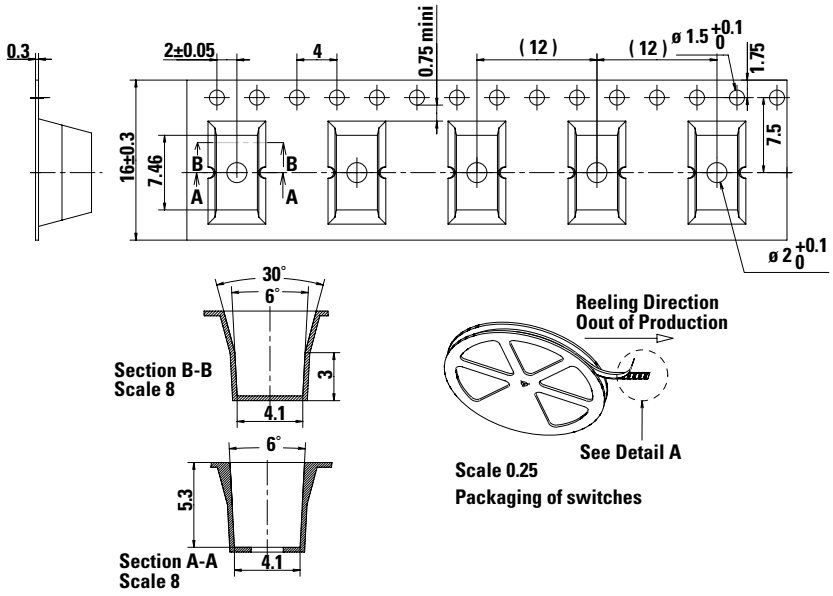
Actuation Force
1: 0.7 N (70 grams)

Contact Material
1: Silver
3: Gold

Travel
W: Standard travel

LFS: RoHS compliant and compatible, Silver Plated
LFG: RoHS compliant and compatible, Gold Plated

Tape & Reel (in mm)



Disclaimer Notice - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at http://www.littelfuse.com/disclaimer-electronics.

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