

HDS Series

Micro Mini Side Actuated Surface Mount Detect Switches



Description

HDS series switches are micro mini side actuated surface mount detect switches, typically incorporated into leading product designs for consumer electronics, medical devices and ATCA and MicroTCA devices. With a low profile – the package sits just 1.4mm off the PCB – the HDS switches come with optional top or side actuation and a choice of right or left options, meaning designers can use it no matter what their design specs are.

Features & Benefits

- Low profile package sits just 1.4 mm off PCB
- Design allows top or side actuation
- Right and left options available
- Low actuation force, 30 grams max.
- Pick and place compatible, available in tape & reel packaging
- RoHS compliant and compatible

Specifications

Contact Rating	1mA @ 5 VDC
Operating Life	100,000 cycles min.
Contact Resistance	1 Ω max. initial
Insulation Resistance	100 M Ω min. between adjacent contacts.
Operating/Storage Temperature	-40°C to 80°C
Packaging	Tape & reel; 5,000 per reel
Pre Travel	0.17 mm min.
Over Travel	0.5 mm min.
Total	1.07 mm

Applications

- Consumer electronics
- Computers
- Medical devices
- Mobile communications
- ATCA and MicroTCA devices

Materials

Base	LCP, HDS001L: Gray, HDS001R: Black
Cover	PA 46 (UL 94 V-0)
Actuator	PA 46 (UL 94 V-0), HDS001L: Gray, HDS001R: Black
Movable Blade	Stainless Steel, Ag over Ni plating
Terminal	Phosphor Bronze, Ag plating

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.

HDS - 001 - x

R: Right Actuation
L: Left Actuation

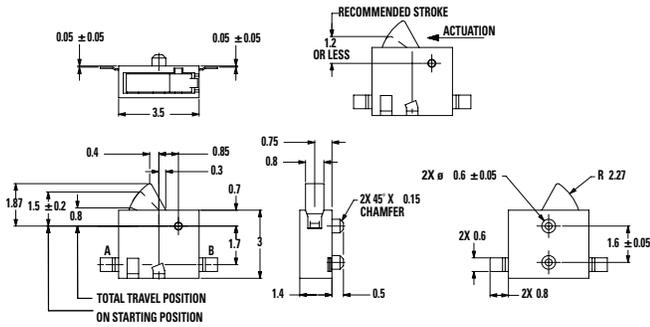
HDS Series

Micro Mini Side Actuated Surface Mount Detect Switches



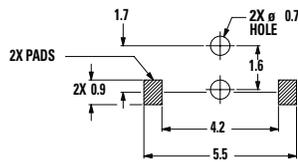
Dimensions (mm)

HDS001R



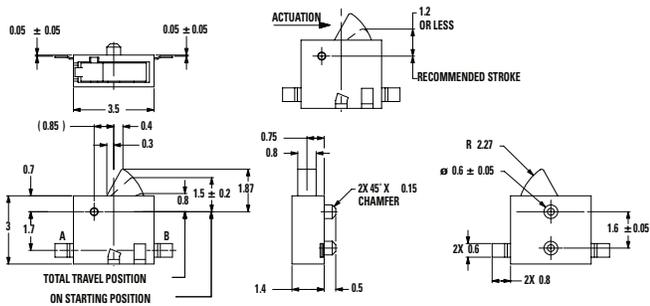
Part Number	Packaging	Schematic
HDS001R	Tape & Reel	

PCB Mounting



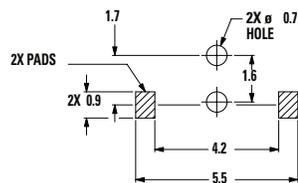
Dimensions (mm)

HDS001L



Part Number	Packaging	Schematic
HDS001L	Tape & Reel	

PCB Mounting



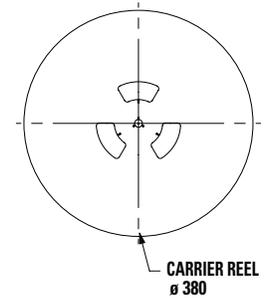
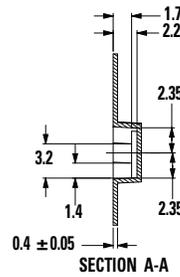
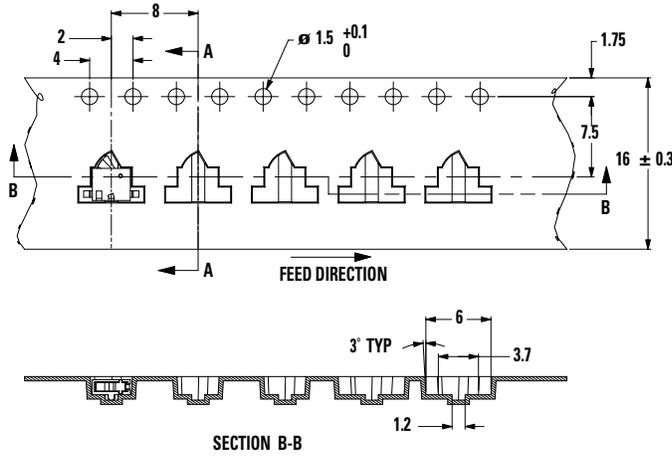
HDS Series

Micro Mini Side Actuated Surface Mount Detect Switches



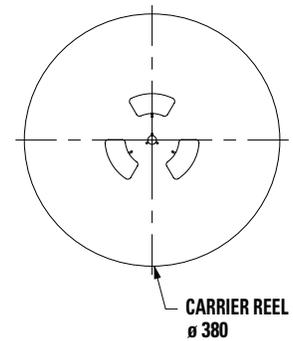
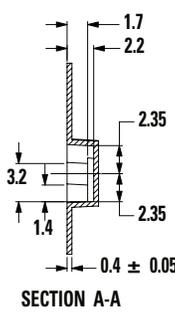
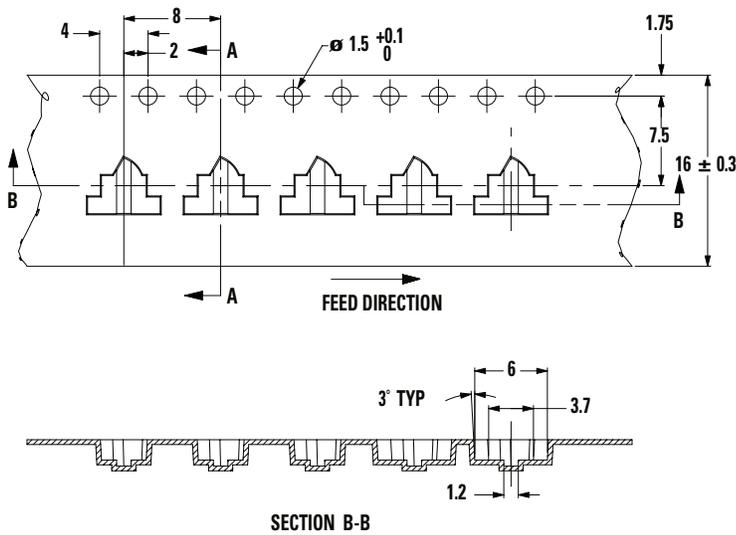
Tape & Reel HDS001R

Dimensions (mm)



HDS001L

Dimensions (mm)



Note: Quantity per reel: 5,000 pieces

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>.