

HDS Series

Micro Mini Side Actuated Surface Mount Detect Switches



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

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

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

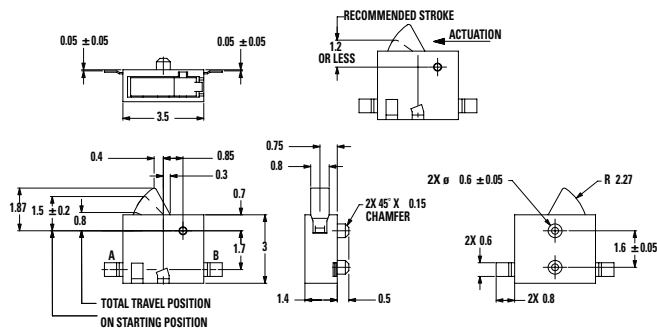
HDS Series

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Dimensions (mm)

HDS001R



Part Number

HDS001R

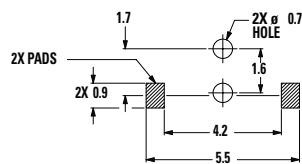
Packaging

Tape & Reel

Schematic

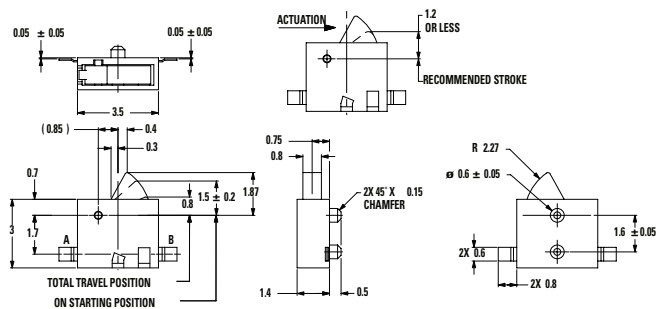


PCB Mounting



Dimensions (mm)

HDS001L



Part Number

HDS001L

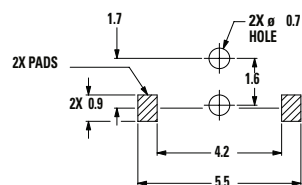
Packaging

Tape & Reel

Schematic



PCB Mounting



HDS Series

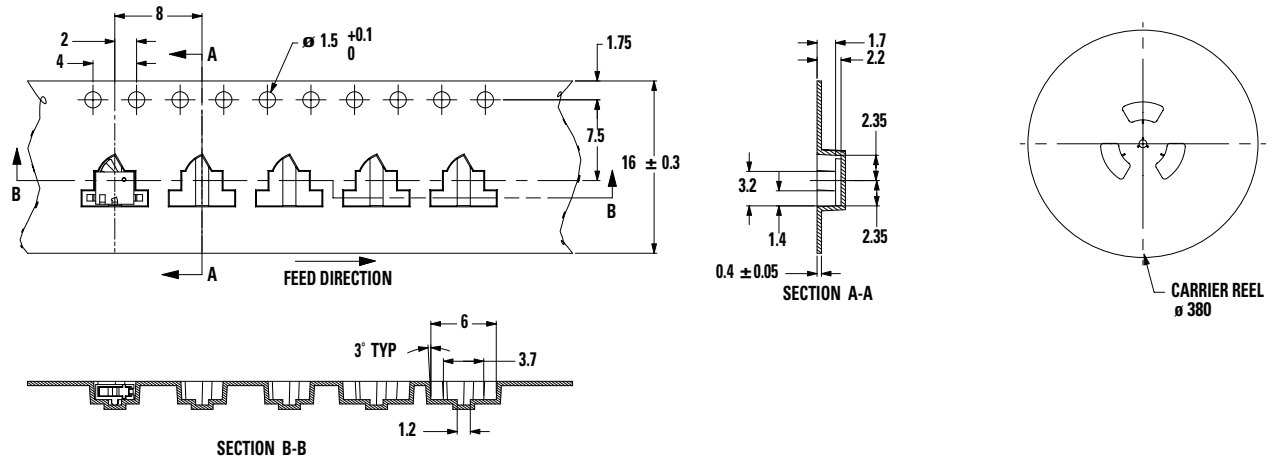
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Tape & Reel

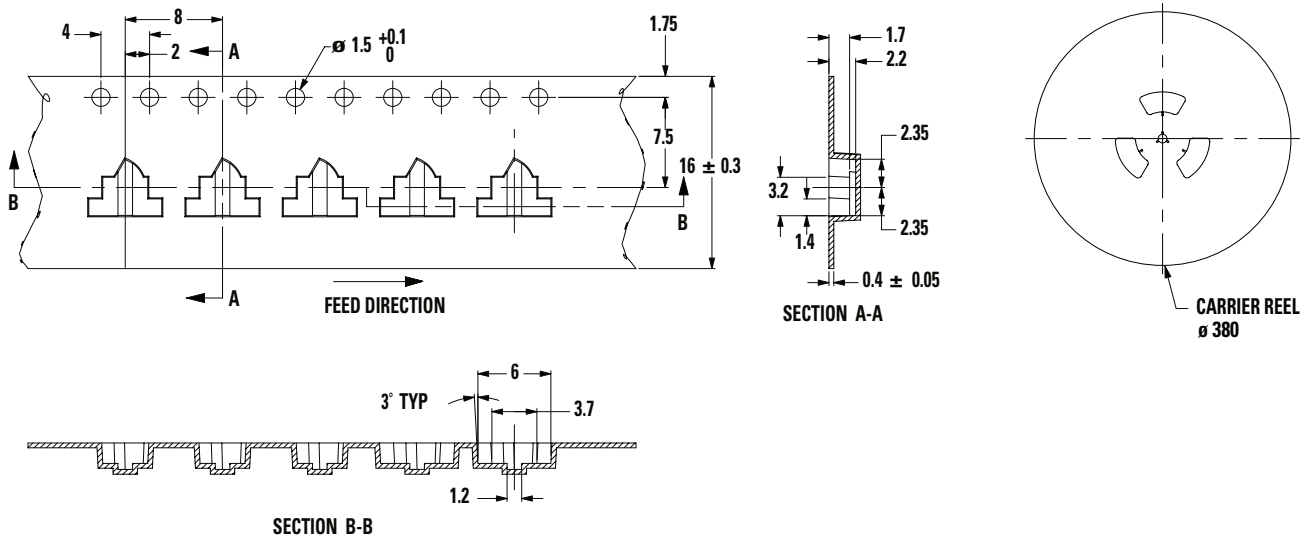
HDS001R

Dimensions (mm)



HDS001L

Dimensions (mm)



Note: Quantity per reel: 5,000 pieces

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