



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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HDT Series

Micro Mini Surface Mount Detect Switches



Features/Benefits

- Low profile package
- Design allows top or side actuation
- Low actuation force, 35 grams max.
- Pick and place compatible, available in tape & reel packaging
- RoHS compliant and compatible
- Halogen free

Typical Applications

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

Specifications

CONTACT RATING: 1 mA 5 VDC

MECHANICAL AND ELECTRICAL LIFE: 100,000 cycles min.

CONTACT RESISTANCE: 500 m Ω max. initial.

INSULATION RESISTANCE: 100 M Ω min. between adjacent contacts.

OPERATING TEMPERATURE: -40°C to + 85°C

STORAGE TEMPERATURE: -40°C to + 85°C

PACKAGING: Tape & reel

Materials

BASE: PA 46 (UL94V-0)

COVER: PA 46 (UL94V-0)

ACTUATOR: PA 46 (UL94V-0)

MOVABLE BLADE: Stainless Steel, Ag over Ni plating.

TERMINALS: Phosphor Bronze, Ag over Ni plating.

SOLDERABILITY: Lead free compatible - No clean.

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

Build-A-Switch

Complete part numbers for HDT Series are shown below.

PART NUMBER	PACKAGING	SCHEMATIC
HDT0001	TAPE & REEL 2,450 per reel	

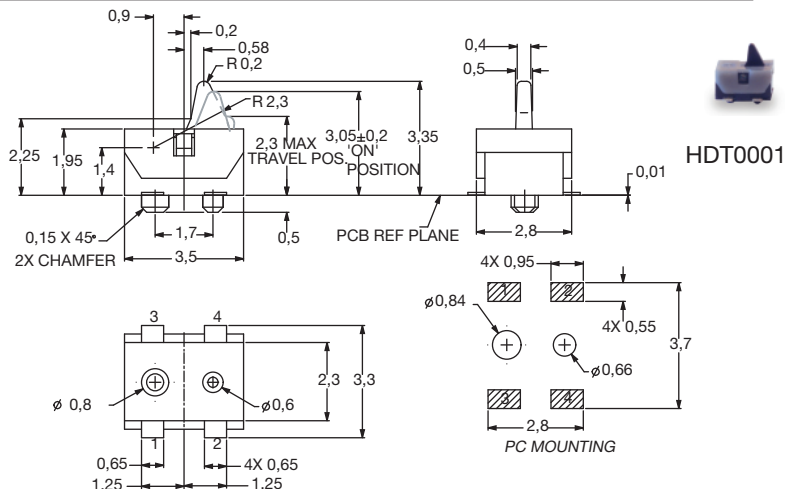
NOTE: Available with no locating posts by adding "NP" (HDT0001NP) to Part Number.

TRAVEL:

Pre-travel .30 mm

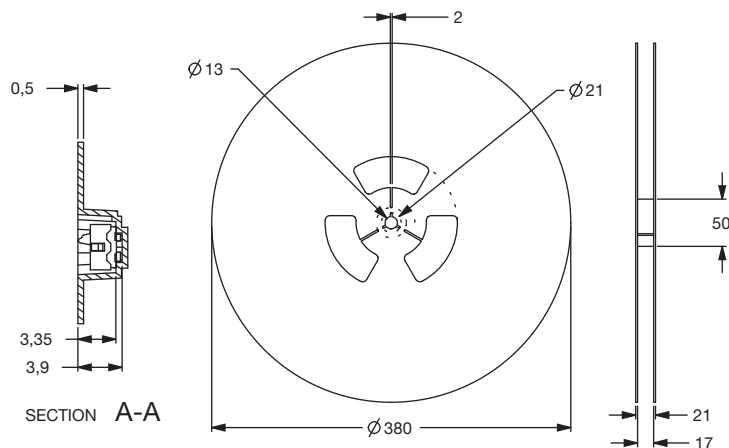
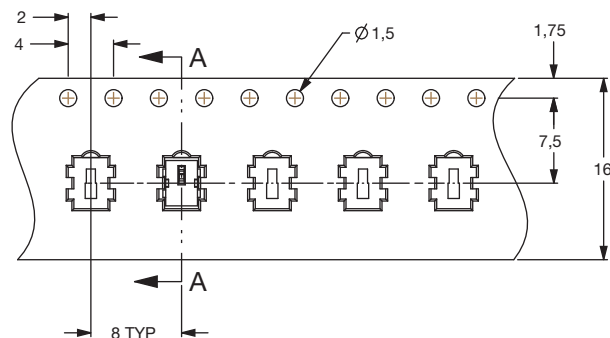
Overtravel: .75 mm

Total: 1.05 mm



TAPE & REEL

HDT0001



Third Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change



HDT Series Micro Mini Surface Mount Detect Switches

HDT0004

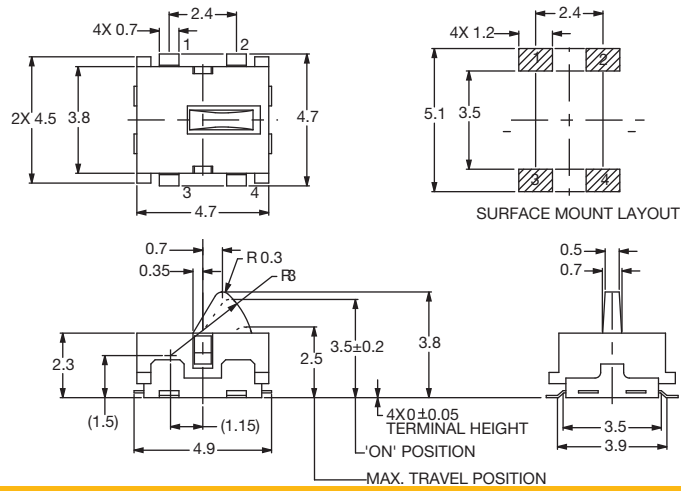


HDT0004

PART NUMBER	PACKAGING	SCHEMATIC
HDT0004	TAPE & REEL 2,800 per reel	

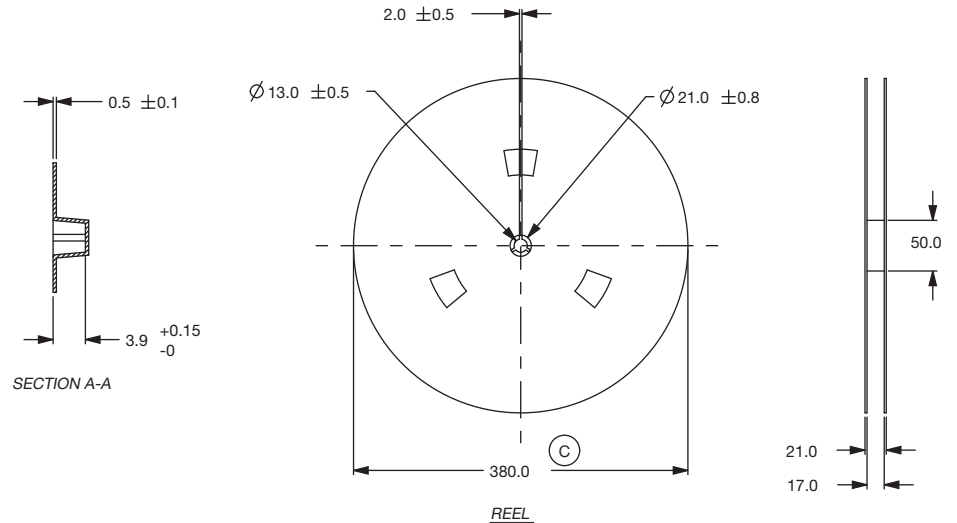
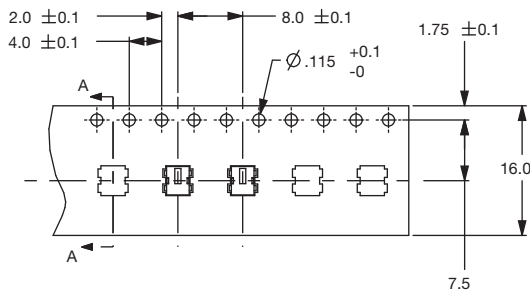
TRAVEL:

Pre-travel: .3 mm
Overtravel: 1.0 mm
Total: 1.3 mm



TAPE & REEL

HDT0004



HDT0104

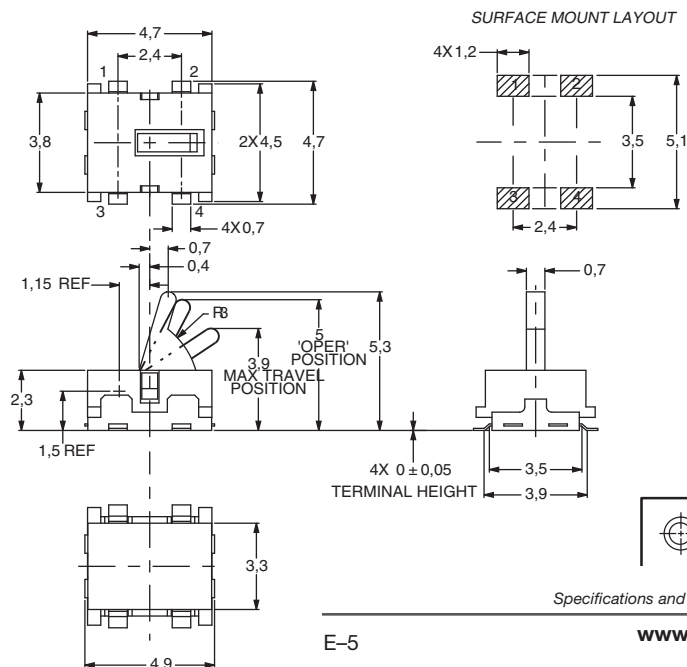


HDT0104

PART NUMBER	PACKAGING	SCHEMATIC
HDT0104	TAPE & REEL 2,500 per reel	

TRAVEL:

Pre-travel: .3 mm
Overtravel: 1.1 mm
Total: 1.4 mm



Dimensions are shown: mm
Specifications and dimensions subject to change

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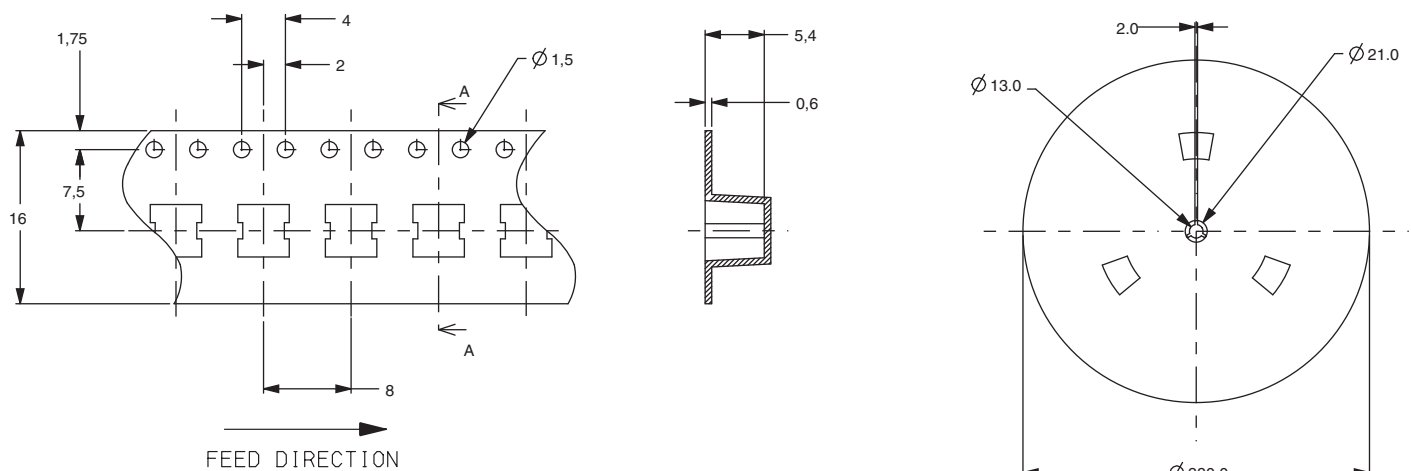
Detect

HDT Series

Micro Mini Surface Mount Detect Switches

TAPE & REEL

HDT0104



HDT0204



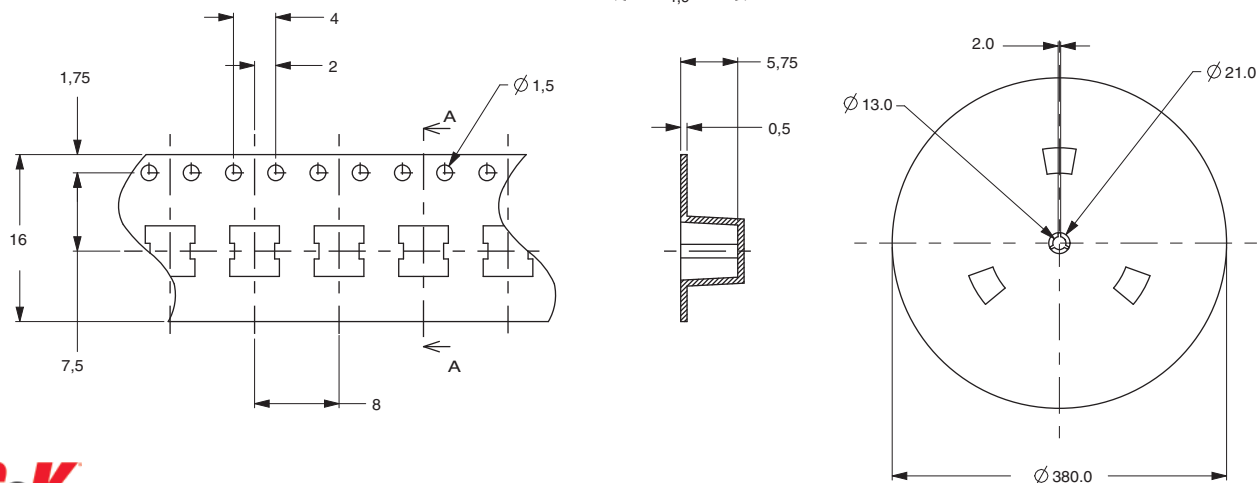
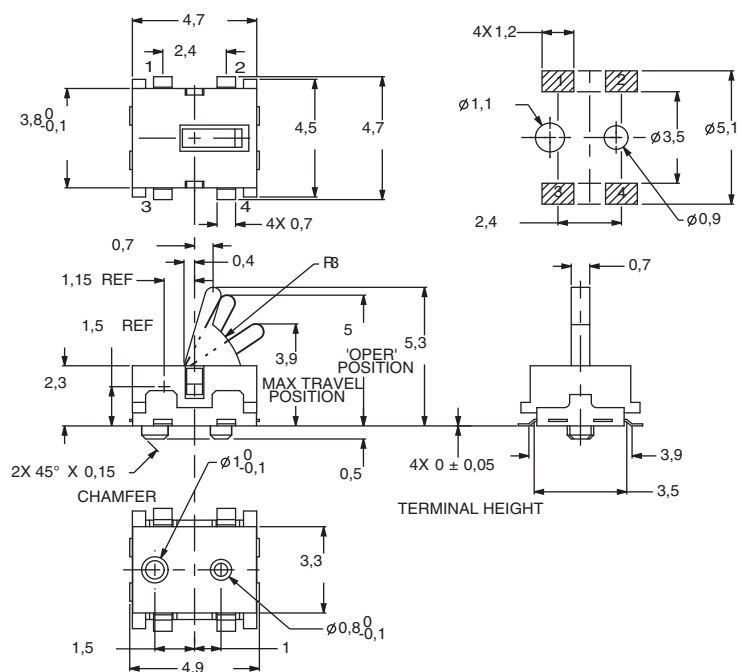
HDT0204

PART NUMBER	PACKAGING	SCHEMATIC
HDT0204	TAPE & REEL 1,400 per reel	

TRAVEL:

Pre-travel: .3 mm
Overtravel: 1.1 mm
Total: 1.4 mm

SURFACE MOUNT LAYOUT



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Detect