

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	 N.O.

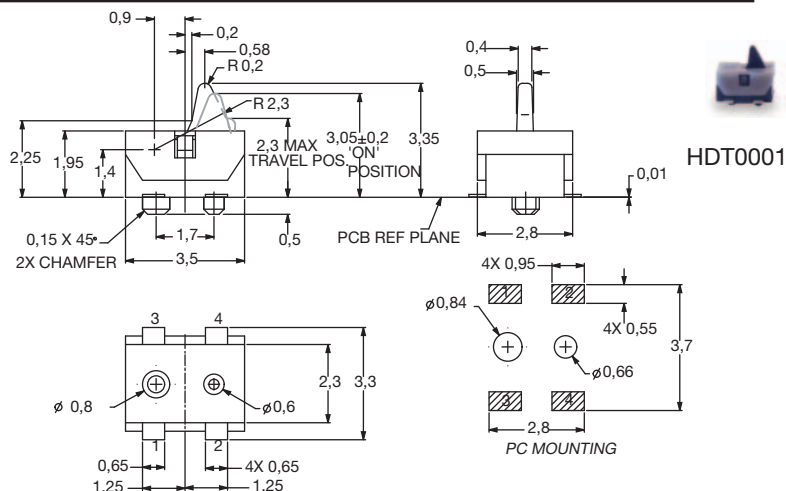
NOTE: Available with no locating posts by adding "NP" (HDT0001NP) to Part Number.

TRAVEL:

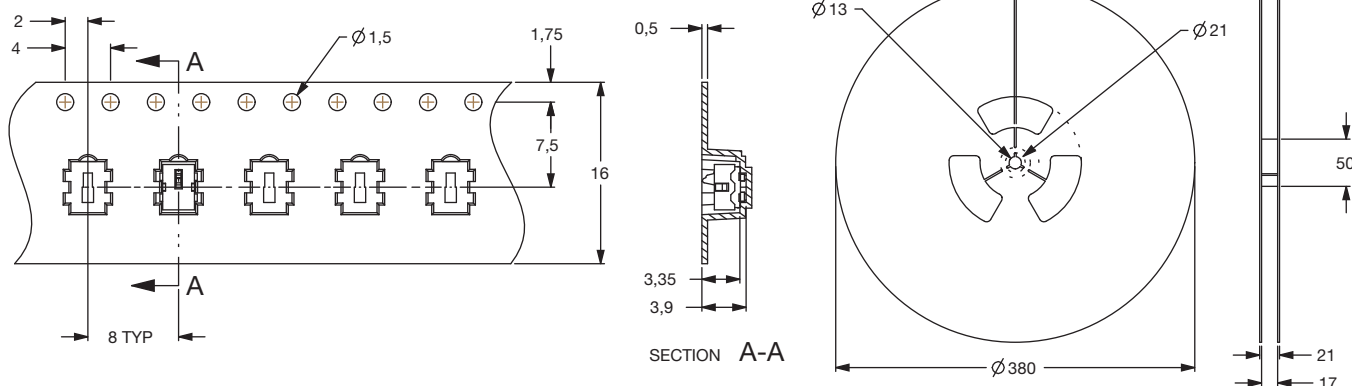
Pre-travel .30 mm

Overtravel: .75 mm

Total: 1.05 mm



TAPE & REEL



Third Angle Projection

Dimensions are shown: mm

Specifications and dimensions subject to change

HDT Series Micro Mini Surface Mount Detect Switches

HDT0004



HDT0004

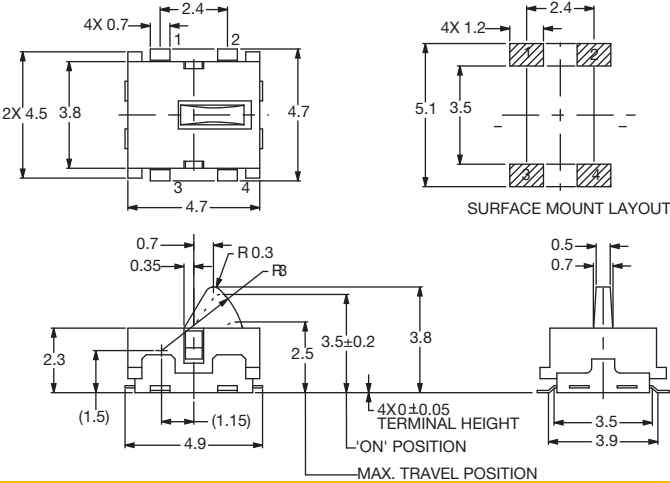
PART NUMBER	PACKAGING	SCHEMATIC
HDT0004	TAPE & REEL 2,800 per reel	

TRAVEL:

Pre-travel .3 mm

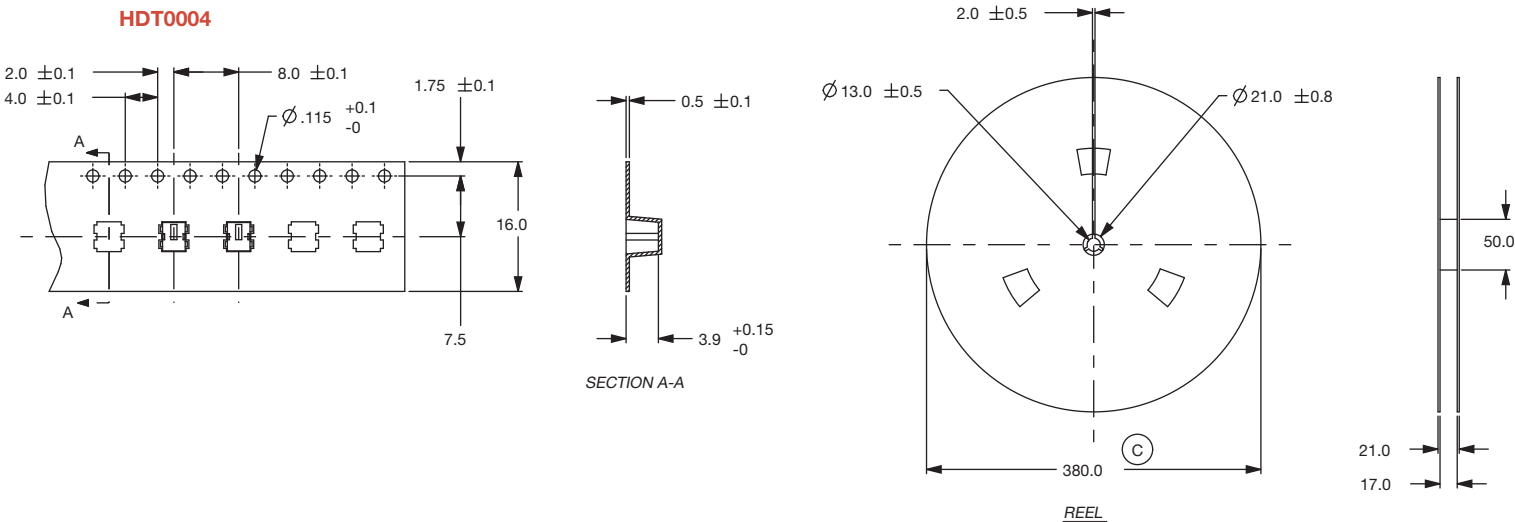
Overtravel: 1.0 mm

Total: 1.3 mm



TAPE & REEL

HDT0004



HDT0104



HDT0104

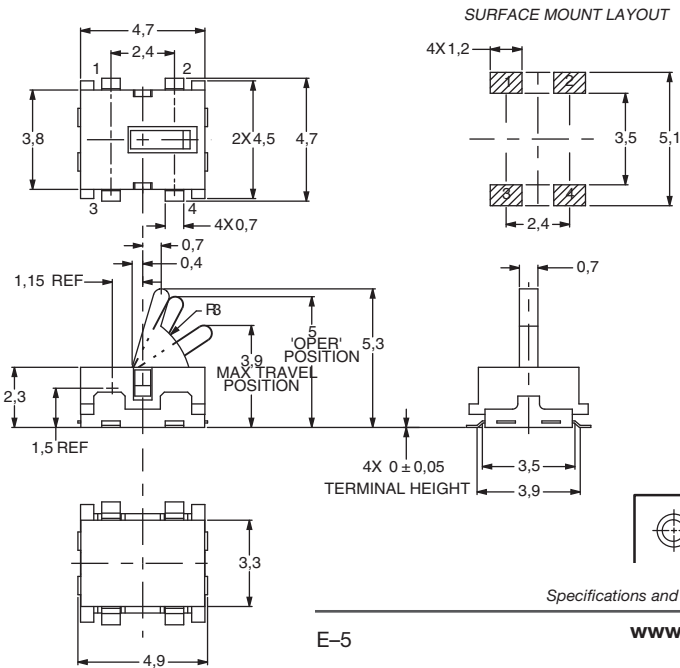
PART NUMBER	PACKAGING	SCHEMATIC
HDT0104	TAPE & REEL 2,100 per reel	

TRAVEL:

Pre-travel: .3 mm

Overtravel: 1.1 mm

Total: 1.4 mm



Third Angle Projection

Dimensions are shown: mm

Specifications and dimensions subject to change



Detect

TAPE & REEL

Technical drawing of a mechanical part, showing a top view and a cross-section A-A.

Top View Dimensions:

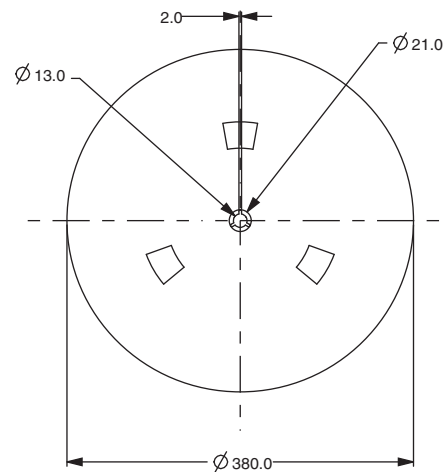
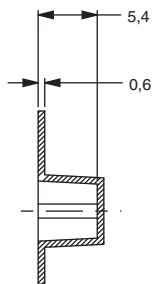
- Overall width: 16
- Overall length: 8
- Distance between hole centers: 1.75
- Distance from the left edge to the first hole center: 7.5
- Distance from the right edge to the last hole center: 7.5
- Distance from the left edge to the center of the slot: 4
- Distance from the right edge to the center of the slot: 4
- Slot width: 2

Cross-section A-A:

- Width: 8
- Height: 16
- Feature: A central slot with a width of 2 and a depth of 4.

Other Features:

- 8 holes with a diameter of $\varnothing 1.5$ are arranged in a single row.
- The part is labeled "FEED DIRECTION" with an arrow pointing to the right.

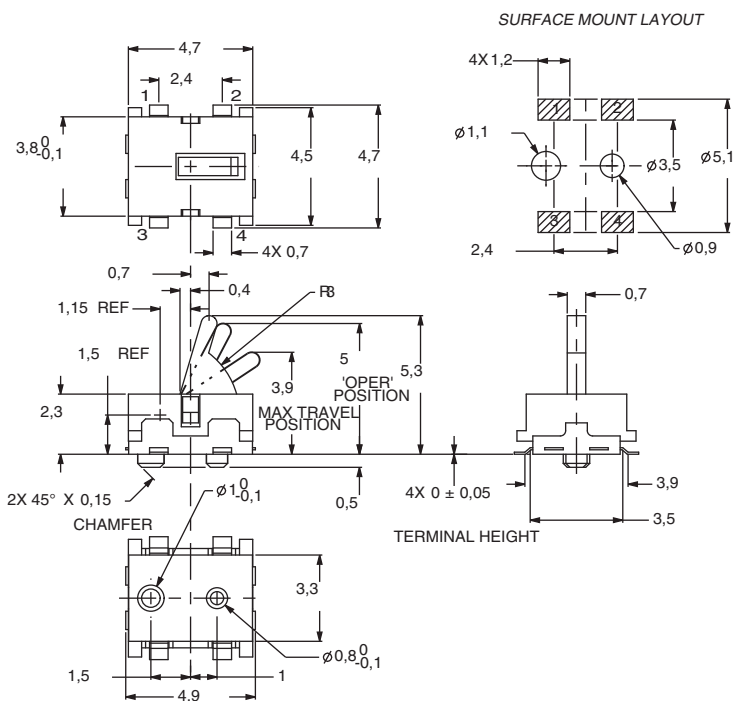


HDT0204



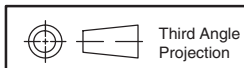
TRAVEL:

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



E

Detect



Dimensions are shown: mm
Specifications and dimensions subject to change

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TAPE & REEL

HDT0204

