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.

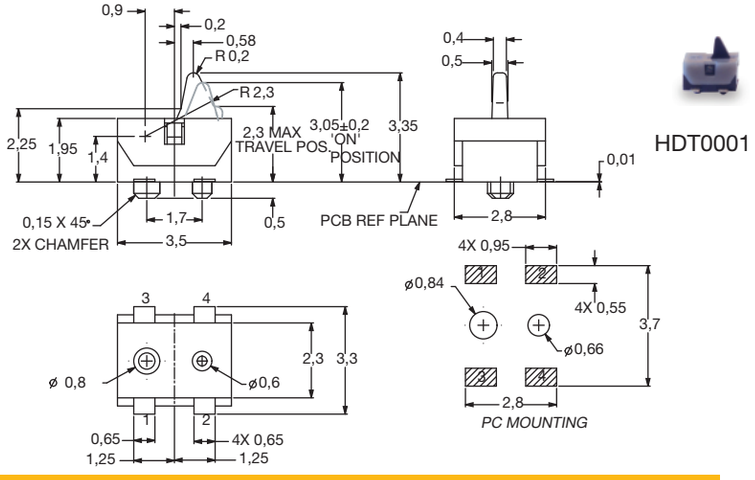
NOTE: Available with no locating posts by adding "NP" (HDT0001NP) to Part Number.

TRAVEL:

Pre-travel .30 mm

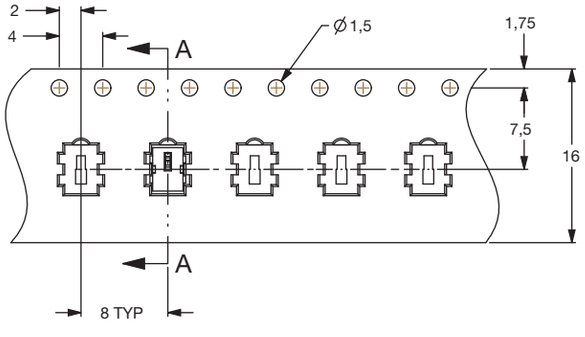
Overtravel: .75 mm

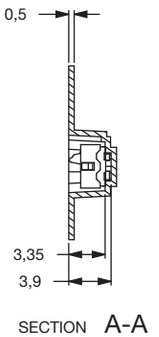
Total: 1.05 mm

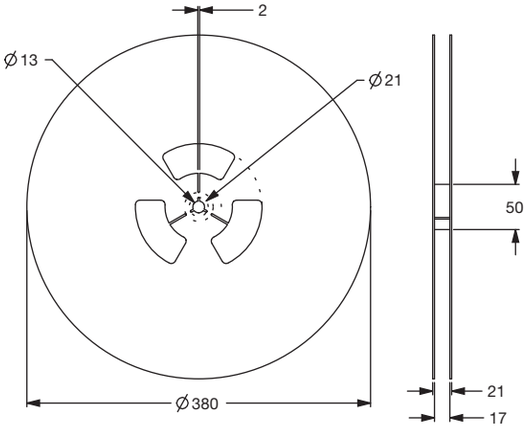


TAPE & REEL

HDT0001







Third Angle Projection

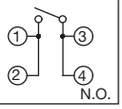
Dimensions are shown: mm

Specifications and dimensions subject to change

HDT0004

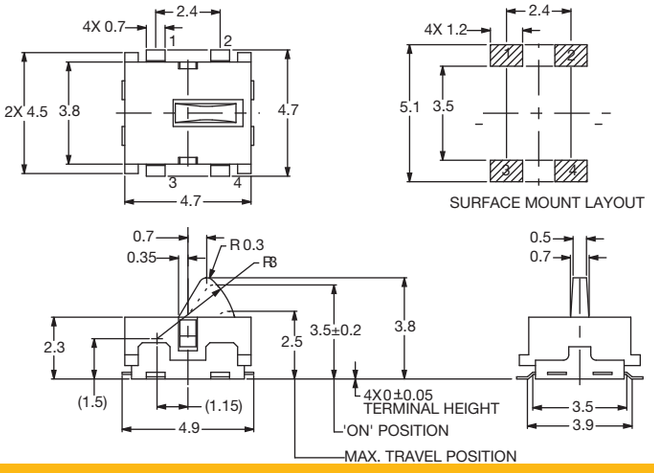


HDT0004

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

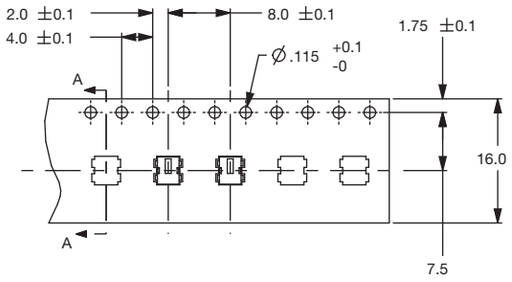
TRAVEL:

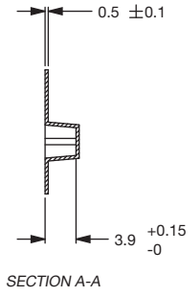
Pre-travel .3 mm
Overtravel: 1.0 mm
Total: 1.3 mm



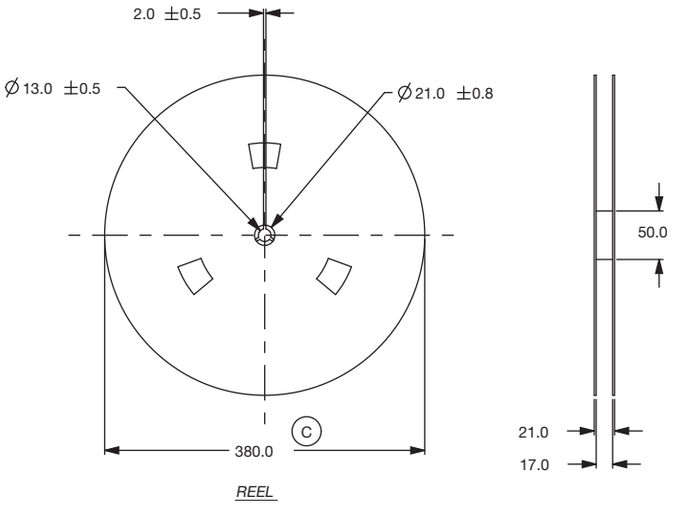
TAPE & REEL

HDT0004





SECTION A-A

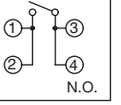


REEL

HDT0104



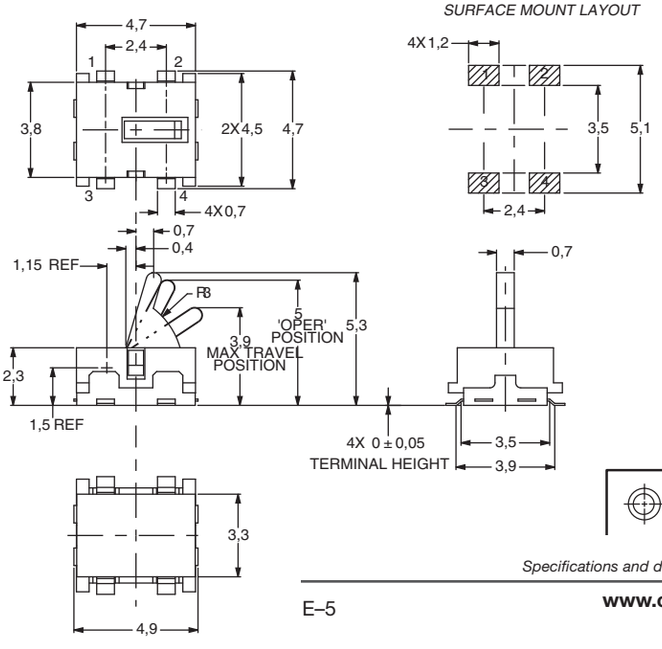
HDT0104

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

TRAVEL:

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

SURFACE MOUNT LAYOUT



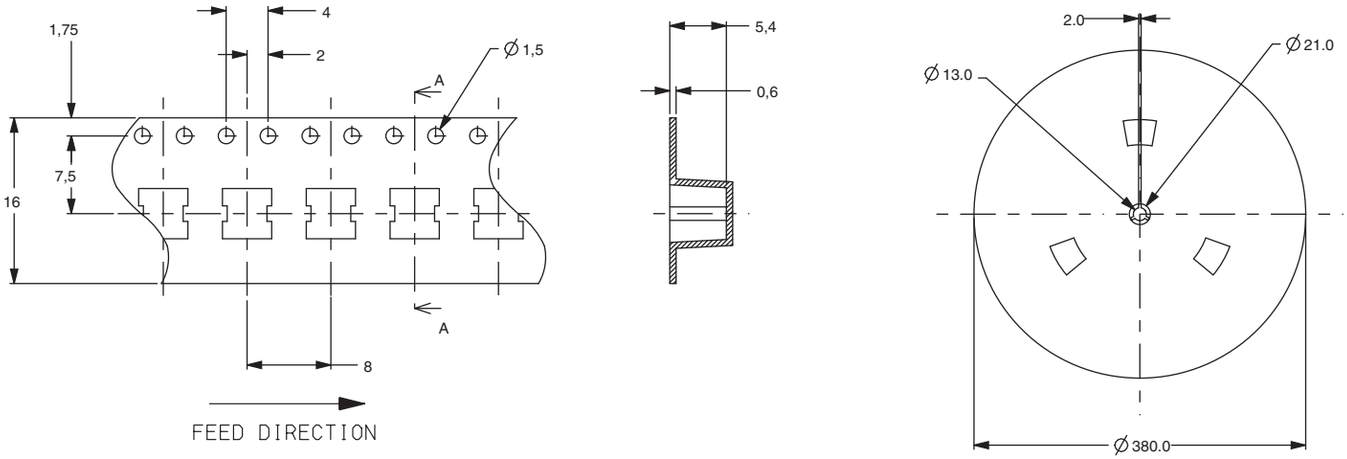
Third Angle Projection

Dimensions are shown: mm
Specifications and dimensions subject to change

HDT Series
Micro Mini Surface Mount Detect Switches

TAPE & REEL

HDT0104



HDT0204



HDT0204

PART NUMBER	PACKAGING	SCHEMATIC
HDT0204	TAPE & REEL 1,400 per reel	① ③ ② ④ N.O.

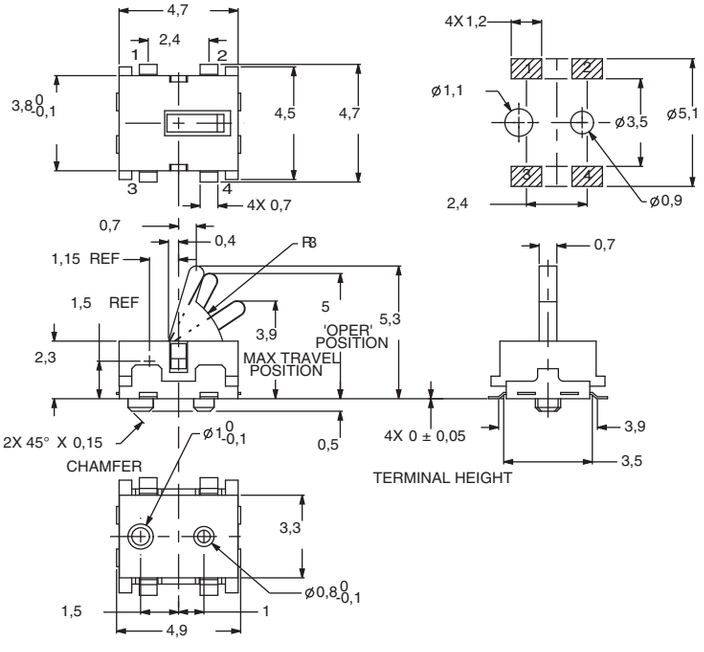
TRAVEL:

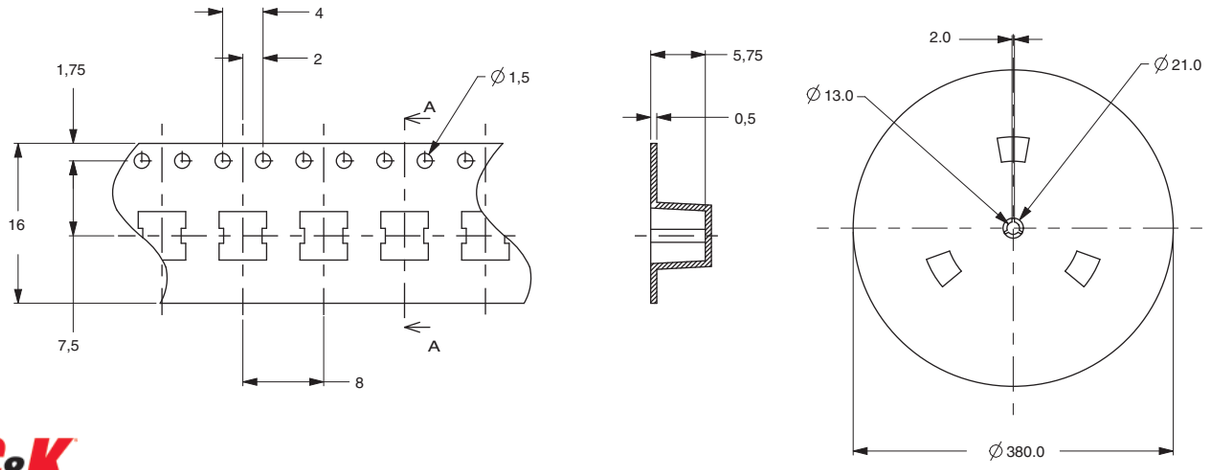
Pre-travel: .3 mm

Overtravel: 1.1 mm

Total: 1.4 mm

SURFACE MOUNT LAYOUT





Detect

E