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

Specifications
CONTACT RATING: 1 mA 5 VDC
MECHANICAL AND ELECTRICAL LIFE: 100,000 cycles min.
CONTACT RESISTANCE: 500 mΩ max. initial.
INSULATION RESISTANCE: 100 MΩ min. between adjacent contacts.
OPERATING TEMPERATURE: -40°C to + 85°C
STORAGE TEMPERATURE: -40°C to + 85°C
PACKAGING: Tape & reel

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

Build-A-Switch
Complete part numbers for HDT Series are shown below.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PACKAGING</th>
<th>SCHEMATIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDT0001</td>
<td>TAPE &amp; REEL 2,450 per reel</td>
<td></td>
</tr>
</tbody>
</table>

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

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.

Specifications and dimensions subject to change
www.ckswitches.com
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HDT0004

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

TRAVEL:
- Pre-travel: 0.3 mm
- Overtravel: 1.0 mm
- Total: 1.3 mm

TAPE & REEL

HDT0004

PART NUMBER | PACKAGING | SCHEMATIC
--- | --- | ---
HDT0004 | TAPE & REEL 2,500 per reel | 

TRAVEL:
- Pre-travel: 0.3 mm
- Overtravel: 1.1 mm
- Total: 1.4 mm

HDT0104

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

TRAVEL:
- Pre-travel: 0.3 mm
- Overtravel: 1.1 mm
- Total: 1.4 mm

Dimensions are shown: mm
Specifications and dimensions subject to change
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TAPE & REEL

HDT0104

FEED DIRECTION

HDT0204

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>PACKAGING</th>
<th>SCHEMATIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>HDT0204</td>
<td>TAPE &amp; REEL</td>
<td>1,400 per reel</td>
</tr>
</tbody>
</table>

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

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

www.ckswitches.com