TDP Series
Ultra-miniature Surface Mount
Half-pitch Side-Actuated DIP Switches

Features/Benefits
- World’s first ultra-miniature SMT half-pitch side-actuated DIP
- Side actuation allows visual indication of on/off position in horizontal applications
- Process sealed for surface mount soldering and washable processing
- RoHS compliant
- Lead free

Specifications
SWITCH FUNCTION: SPST — 2, 4, 6, 8, 10 positions.
CONTACT RATING:
  24 V DC, 25 mA (switching).
  50 V DC, 100 mA (steady state).
MECHANICAL AND ELECTRICAL LIFE: 1,000 cycles.
CONTACT RESISTANCE: 100 mΩ max.
INSULATION RESISTANCE: 100 MΩ @ 100 V DC min.
DIELECTRIC STRENGTH: 300 V AC min.
STORAGE TEMPERATURE: –40°C to 85°C.
OPERATING TEMPERATURE: –40°C to 85°C.
OPERATING FORCE: 4.9N max.
SOLDERABILITY: Per MIL-STD-202F method 208D, or EIA RS-186E method 9 (1 hour steam aging).
PACKAGING: Switches supplied in rigid dispensing tubes in full tube quantities only, this may affect order quantity. Tape and reel packaging also available.

How To Order
The Build-A Switch concept allows you to mix and match options to create the switch you need. Below is a complete listing of options shown in catalog. To order, simply select desired option from each category and place in the appropriate box.

All switches supplied in “OFF” position.

Typical Applications
- Hand-held electronic devices
- Portable computer and electronic devices
- Instrumentation and controls

Materials
CASE & COVER: glass filled PPS (UL94V-0).
ACTUATOR: PA6T (UL94V-0).
CONTACTS: Copper alloy with gold plate over nickel plate.
TERMINALS: Copper alloy, with gold over nickel plate.
  All terminals are insert molded.
TAPE SEAL: Polyimide.

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

Note: Tape seal is not available with H1 Extended Actuators.

Designation
TD P S 1
TDP Number
of Positions
Actuator
Terminations
Contact Material

Packaging
(Not Available)
Tape and Reel
Terminal Seal
Connectors are sealed
Tape Seal
(Not Available) with tape
D No tape

Dimensions are shown: Inch (mm)
Specifications and dimensions subject to change
www.ckswitches.com
# TDP Series
## Ultra-miniature Surface Mount
### Half-pitch Side-Actuated DIP Switches

#### Flush Actuator-No Top Tape, Surface Mount Terminals

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>NO. POS</th>
<th>DIM 'A'</th>
<th>DIM 'B'</th>
<th>QUANTITY PER TUBE</th>
</tr>
</thead>
<tbody>
<tr>
<td>TDP02H0SBD1</td>
<td>2</td>
<td>0.144 (3.67)</td>
<td>0.050 (1.27)</td>
<td>125</td>
</tr>
<tr>
<td>TDP04H0SBD1</td>
<td>4</td>
<td>0.244 (6.21)</td>
<td>0.150 (3.81)</td>
<td>70</td>
</tr>
<tr>
<td>TDP06H0SBD1</td>
<td>6</td>
<td>0.344 (8.74)</td>
<td>0.250 (6.35)</td>
<td>50</td>
</tr>
<tr>
<td>TDP08H0SBD1</td>
<td>8</td>
<td>0.444 (11.29)</td>
<td>0.350 (8.89)</td>
<td>40</td>
</tr>
<tr>
<td>TDP10H0SBD1</td>
<td>10</td>
<td>0.544 (13.82)</td>
<td>0.450 (11.43)</td>
<td>30</td>
</tr>
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#### Flush Actuator-with Top Tape, Surface Mount Terminals

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Extended Actuator-No Top Tape,
Surface Mount Terminals

Tube Packaging

Tape and Reel Packaging