

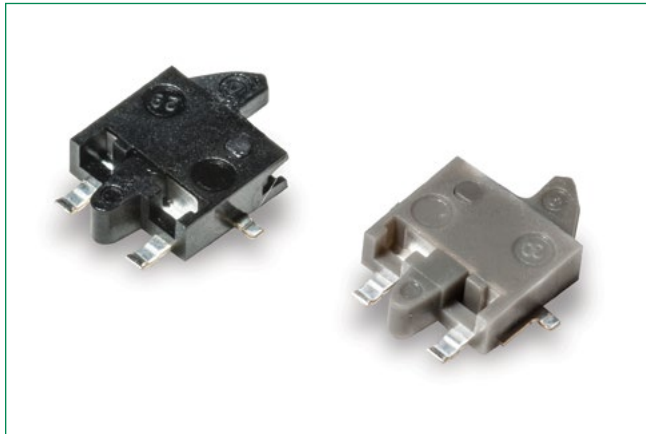


THE DATASHEET OF HDP001L



HDP Series

Micro Mini Side Actuated Surface Mount Detect Switches



Description

C&K's HDP series of micro mini side actuated surface mount detect switches are engineered to give designers their option for a right or left side switch, while retaining a low profile. HDP switches are used most often in devices for the medical device or consumer electronics industries – and are recognized for giving designers a long lifecycle switch with a soft actuation force.

Features & Benefits

- Low profile
- Side actuation
- Right and left options available
- Low actuation force
- Lead free and halogen free

Applications

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

Specifications

| | | |
|------------------------------|-----------------------------|------------------|
| Contact Rating | 1mA @ 5 VDC | |
| Operating Life | 100,000 cycles min. | |
| Contact Resistance | < 500 Ω max. initial | |
| Insulation Resistance | > 100 M Ω | |
| Operating Temperature | -20°C to 70°C | |
| Storage Temperature | -30°C to 80°C | |
| Packaging | Tape & reel; 2,500 per reel | |
| Travel | Pre-travel | .15 mm min. |
| | "ON" Starting Position | 2.96 +/- 0.25 mm |
| | Total Travel Position | 1.3 mm |
| | Total Travel | 1.9 mm |

Materials

| | |
|--------------------------------|--|
| Base | PA 46 (UL94HB) - halogen free |
| Actuator | PA 46 (UL94HB) - halogen free HDP001R - black body/actuator HDP001L - grey body/actuator |
| Movable Blade | Stainless Steel, Silver over nickel plate. |
| Fixed Contacts Terminal | Phosphor Bronze, Silver plate |

Notes:

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

Ordering Number

Our easy build-a-switch concept allows you to mix and match options to create the switch you need. To order, select desired option from each category and place it in the appropriate box.

HDP - 001 - x

R: Right Actuation
L: Left Actuation

HDP Series

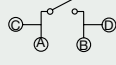
Micro Mini Side Actuated Surface Mount Detect Switches

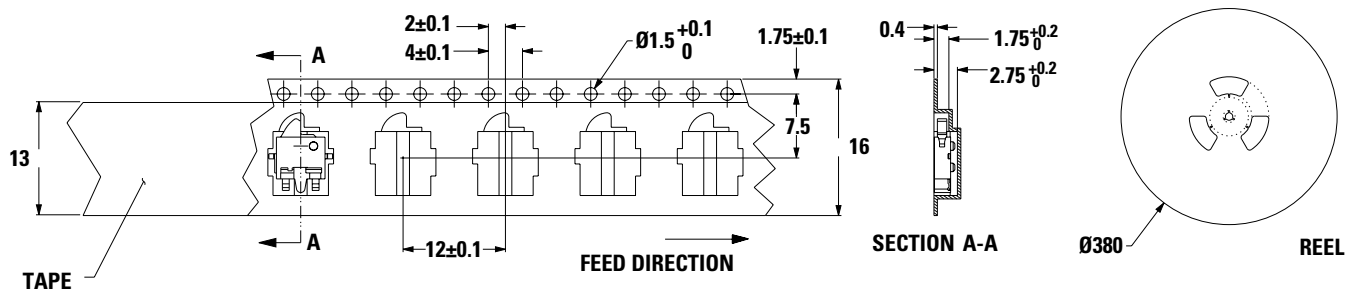
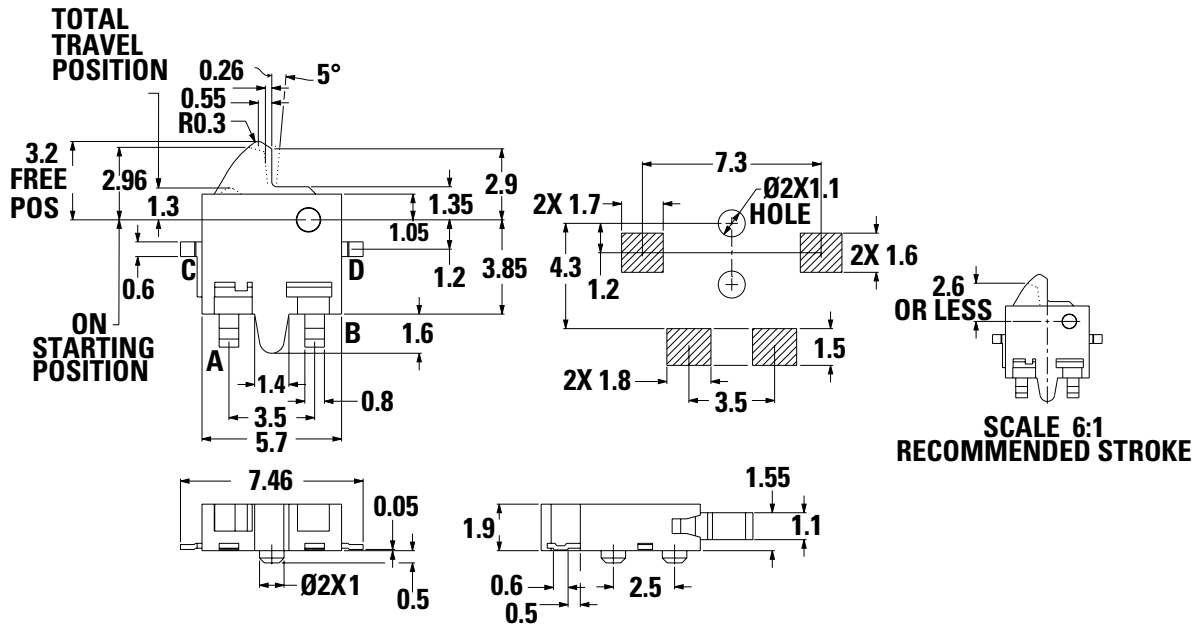


Complete part numbers for HDP Series are shown below.

HDP001R



| Part Number | Packaging | Schematic |
|-------------|-------------|---|
| HDP001R | Tape & Reel |  N.O. |



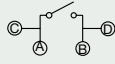
HDP Series

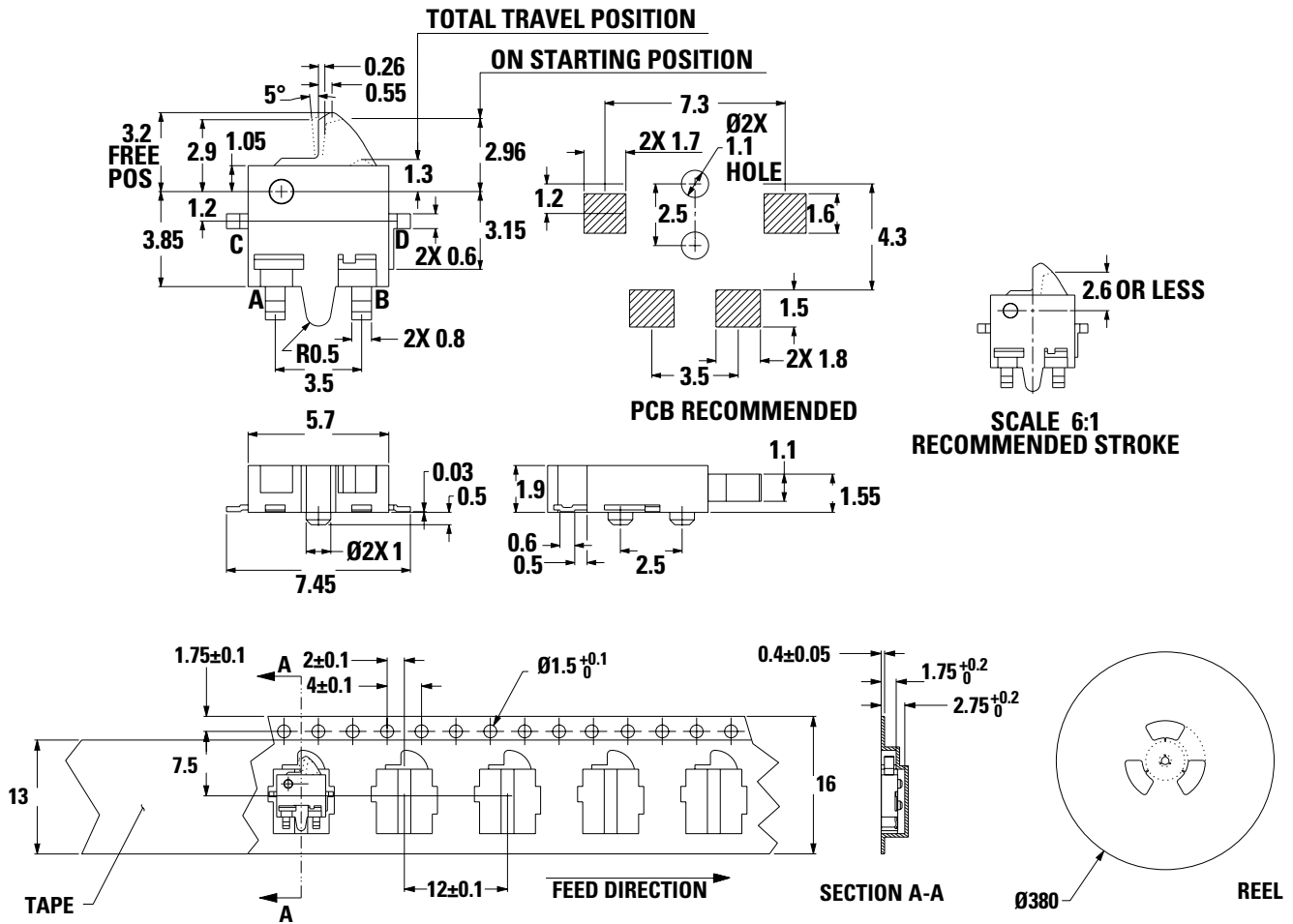
Micro Mini Side Actuated Surface Mount Detect Switches



HDP001L





| Part Number | Packaging | Schematic |
|-------------|-------------|---|
| HDP001L | Tape & Reel |  N.O. |



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