

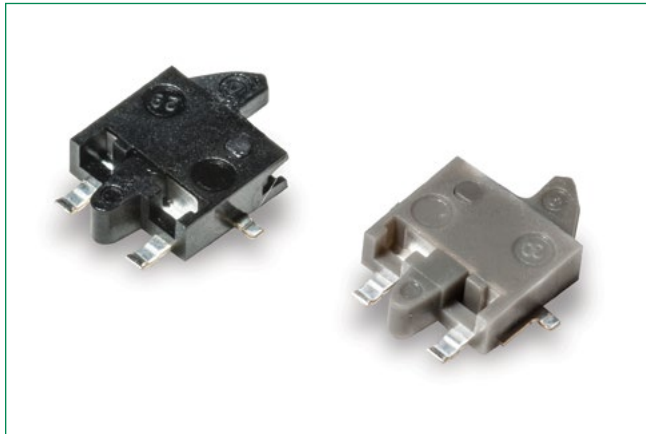


# THE DATASHEET OF HDP001R



# 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

<b>Contact Rating</b>	1mA @ 5 VDC	
<b>Operating Life</b>	100,000 cycles min.	
<b>Contact Resistance</b>	< 500 Ω max. initial	
<b>Insulation Resistance</b>	> 100 M Ω	
<b>Operating Temperature</b>	-20°C to 70°C	
<b>Storage Temperature</b>	-30°C to 80°C	
<b>Packaging</b>	Tape & reel; 2,500 per reel	
<b>Travel</b>	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

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

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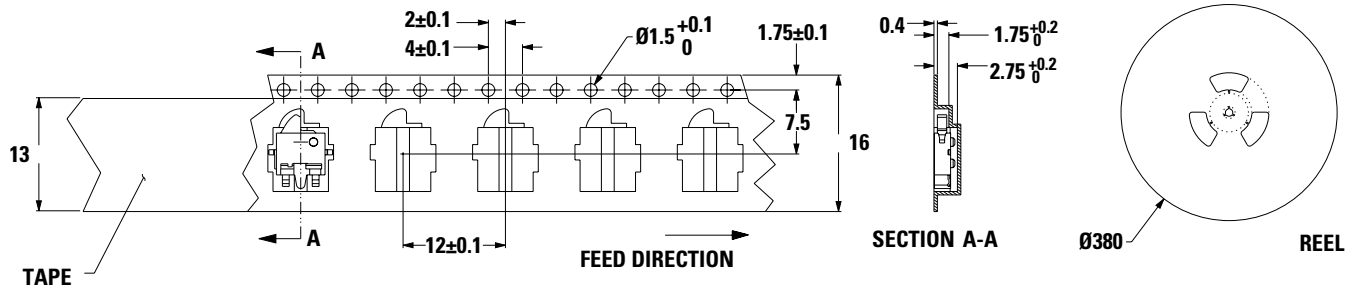
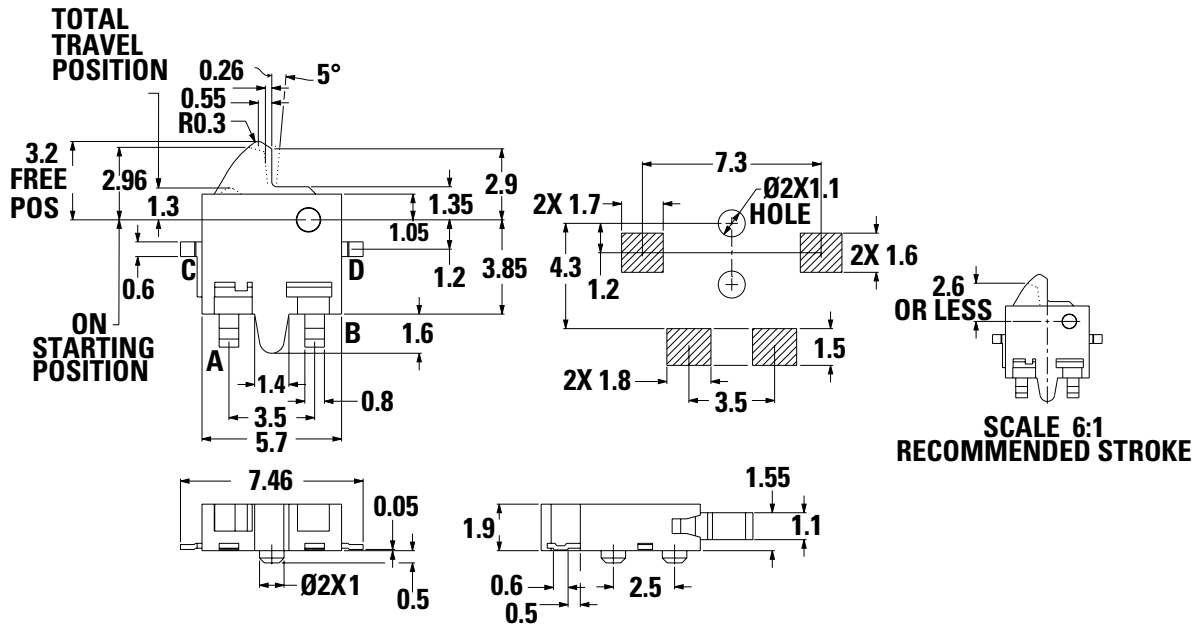


Complete part numbers for HDP Series are shown below.

HDP001R





Part Number	Packaging	Schematic
HDP001R	Tape & Reel	<p>N.O.</p>





## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

-  [View HDP001R on WIN SOURCE](#)
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