

## Half-pitch DIP Switch

## A6H

### Ultra-low Profile, Half-pitch, Surface-mounting DIP Switch

- Very low profile of 1.55 mm.
- Mounting space reduced by 63% (compared with conventional models).
- Washable, seal tape models available.
- Embossed tapping models available.



## Ordering Information

Type (striker color)		Standard models (White)	Models with seal tape (White)	
No. of poles	Quantity per stick		Stick models	Embossed tapping models (See note.)
				
4	75	A6H-4101	A6H-4102	A6H-4102-P
6	54	A6H-6101	A6H-6102	A6H-6102-P
8	40	A6H-8101	A6H-8102	A6H-8102-P
10	33	A6H-0101	A6H-0102	A6H-0102-P

**Note:** Embossed tapping models are packaged in units of 4,000. Orders must be made in multiples of 4,000. Switches are not sold individually.

## Specifications

### ■ Ratings/Characteristics

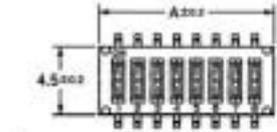
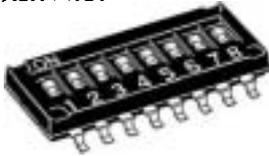
<b>Switching capacity</b>	25 mA at 24 VDC 10 $\mu$ A (minimum current) at 3.5 VDC
<b>Ambient temperature</b>	Operating: -20 to 70°C (with no icing or condensation) Storage: -40 to 85°C (with no icing or condensation)
<b>Ambient humidity</b>	Operating: 35% to 90%
<b>Insulation resistance</b>	100 M $\Omega$ min. (at 250 VDC)
<b>Contact resistance</b>	200 m $\Omega$ max. (initial value)
<b>Dielectric strength</b>	300 VAC for 1 min between terminals of the same polarity, and between terminals of different polarity
<b>Vibration resistance</b>	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
<b>Shock resistance</b>	Malfunction: 300 m/s <sup>2</sup> min.
<b>Life expectancy</b>	Mechanical: 1,000 operations min. Electrical: 1,000 operations min.
<b>Operating force</b>	0.29 to 0.49 N
<b>Enclosure rating</b>	Equivalent to IP40
<b>Weight</b>	0.09 g (4 poles) 0.12 g (6 poles) 0.15 g (8 poles) 0.18 g (10 poles)

# Dimensions

- Note:** 1. All units are in millimeters unless otherwise indicated.  
 2. Unless otherwise specified, a tolerance of  $\pm 0.4$  mm applies to all dimensions.

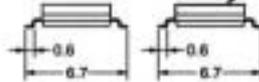
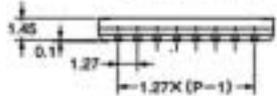
## Standard

A6H-□101

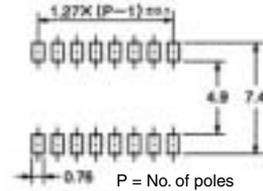


Standard With seal tape

Seal tape (t=0.06)



Dimensions of PCB pad (Top View)



## With Seal Tape

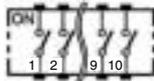
A6H-□102  
 A6H-□102-P



No. of poles	Model		Dimension A
4	A6H-4101	A6H-4102	6.31
6	A6H-6101	A6H-6102	8.85
8	A6H-8101	A6H-8102	11.39
10	A6H-0101	A6H-0102	13.93

# Installation

## Internal Connections (Top View)



# Precautions

Be sure to refer to General Precautions on pages 4 to 6 for details on proper use.

**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.**  
 To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.