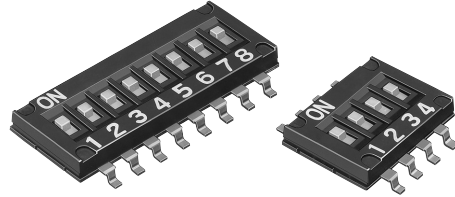


## Slide DIP Switch (SMT Half-pitch)

## A6H

### Ultra-low Profile, Half-pitch, DIP Switch for High-density Mounting

- Industry's lowest-class profile of 1.55 mm.
- Half-pitch (1.27-mm) design allows greater compactness and reduces mounting space by 63%. (compared with conventional models)
- Washable, seal tape models available.
- Embossed tapping models available for automatic mounting.

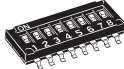
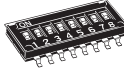


RoHS Compliant

## Ordering Information

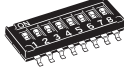
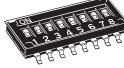
### ■ List of Models

#### ● Models in Tube Packages

Type and color of actuator	Flat actuator (White)			
	Standard models		Models with seal tape	
Number of poles		Quantity per tube		Quantity per tube
2	<b>A6H-2101</b>	125	<b>A6H-2102</b>	125
4	<b>A6H-4101</b>	75	<b>A6H-4102</b>	75
6	<b>A6H-6101</b>	54	<b>A6H-6102</b>	54
8	<b>A6H-8101</b>	40	<b>A6H-8102</b>	40
10	<b>A6H-0101</b>	33	<b>A6H-0102</b>	33

Note: Order in multiples of the package quantity.

#### ● Models in Embossed Taping Package

Type and color of actuator	Flat actuator (White)							
	Standard models				Models with seal tape			
Number of poles								
	Standard reel	Quantity per reel	Small reel	Quantity per reel	Standard reel	Quantity per reel	Small reel	Quantity per reel
2	<b>A6H-2101-P</b>	4,000	<b>A6H-2101-PM</b>	500	<b>A6H-2102-P</b>	4,000	<b>A6H-2102-PM</b>	500
4	<b>A6H-4101-P</b>		<b>A6H-4101-PM</b>		<b>A6H-4102-P</b>		<b>A6H-4102-PM</b>	
6	<b>A6H-6101-P</b>		<b>A6H-6101-PM</b>		<b>A6H-6102-P</b>		<b>A6H-6102-PM</b>	
8	<b>A6H-8101-P</b>		<b>A6H-8101-PM</b>		<b>A6H-8102-P</b>		<b>A6H-8102-PM</b>	
10	<b>A6H-0101-P</b>		<b>A6H-0101-PM</b>		<b>A6H-0102-P</b>		<b>A6H-0102-PM</b>	

Note: Order in multiples of the package quantity.

# Specifications

## ■ Ratings/Characteristics

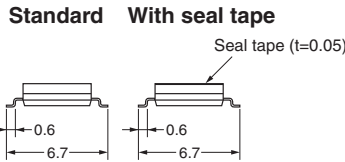
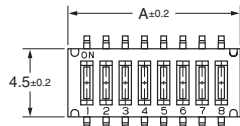
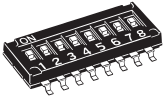
Rating	25 mA at 24 VDC 10 μA (minimum current) at 3.5 VDC
Ambient operating temperature	-20 to 70°C at 60% max. (with no icing or condensation)
Ambient operating humidity	35% to 95% (at 5 to 35°C)
Insulation resistance	100 MΩ min. (at 250 VDC)
Contact resistance	200 mΩ max. (initial value)
Dielectric strength	300 VAC for 1 min between terminals
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction: 300 m/s <sup>2</sup> min.
Durability	Electrical: 1,000 operations min.
Operating force	0.29 to 4.9 N {30 to 500 gf}
Weight	0.06 g (2 poles) 0.09 g (4 poles) 0.12 g (6 poles) 0.15 g (8 poles) 0.18 g (10 poles)

## Dimensions

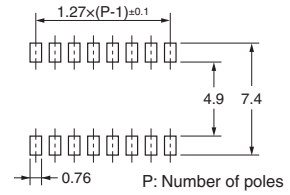
- Note:** 1. All units are in millimeters unless otherwise indicated.  
2. Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.

### ● Standard

- A6H-□101
- A6H-□101-P
- A6H-□101-PM

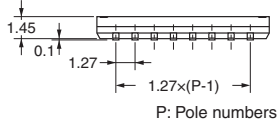
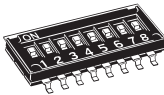


### Dimensions of PCB Pad (Top View)



### ● With Seal Tape

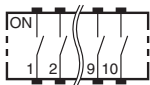
- A6H-□102
- A6H-□102-P
- A6H-□102-PM



No. of poles	Model		Dimension A
	Standard	With seal tape	
2	A6H-2101	A6H-2102	3.77
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

## Internal Connection

### ■ Contact Form (Top View)



## Precautions

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Be sure to read the Safety precautions common to all DIP Switches for correct 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.