

A6H



Half-Pitch Surface Mount Switch

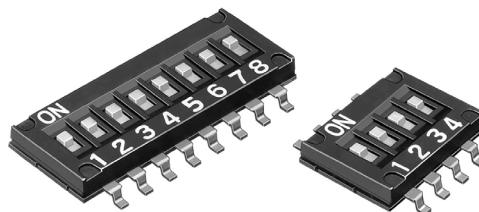
- Very low profile of 1.55 mm
- Half-pitch reduces mounting space by 63%
- Washable, tape sealed models
- Embossed tap packaging models available

Part	Number of Poles or Positions	Output Code Type	Actuator types	Operating Force	Dielectric strength (AC for 1 min)	Termination Style	Packaging Type
A6H-4101	4	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	N/A
A6H-4102	4	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	Tubes
A6H-4102-P	4	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	Tape and Reel
A6H-6101	6	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	N/A
A6H-6102	6	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	Tubes
A6H-6102-P	6	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	Tape and Reel
A6H-8101	8	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	N/A
A6H-8102	8	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	Tubes
A6H-8102-P	8	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	Tape and Reel
A6H-0101	10	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	N/A
A6H-0102	10	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	Tubes
A6H-0102-P	10	Binary	Top Actuated	30 to 500 grams	300 VAC	SMT - Half Pitch	Tape and Reel



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 taping models available
- RoHS Compliant



Ordering Information

Description	Part numbers		
	Standard models	Models with seal tape	
Number of poles		Stick models	Embossed taping models (See note.)
			
4	A6H-4101	A6H-4102	A6H-4102-P
6	A6H-6101	A6H-6102	A6H-6102-P
8	A6H-8101	A6H-8102	A6H-8102-P
10	A6H-0101	A6H-0102	A6H-0102-P

Note: Embossed taping models are packaged in units of 4,000. Orders should be placed in multiples of 4,000 as delivery is not possible in smaller units.

Specifications

■ Ratings/Characteristics

Switching capacity	25 mA at 24 VDC 10 μ A (minimum current) at 3.5 VDC
Insulation resistance	100 M Ω min. (at 100 VDC)
Contact resistance	200 m Ω max. (initial value)
Dielectric strength	300 VAC for 1 min between terminals of same polarity, and between terminals of different polarity
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction: 300 m/s ² min.
Life expectancy	Mechanical: 1,000 operations min. Electrical: 1,000 operations min.
Ambient temperature	Operating: -40 to 85° C (with no icing or condensation) Storage: -40 to 85° C (with no icing or condensation)
Ambient humidity	Operating: 35% to 90%
Operating force	30 to 500 grams
Enclosure rating	Equivalent to IP40

Dimensions

Unit: mm

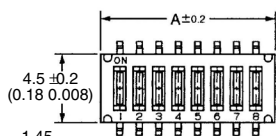
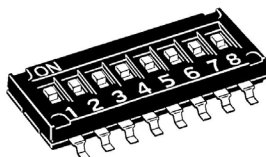
Key:

A = Width (see table below)

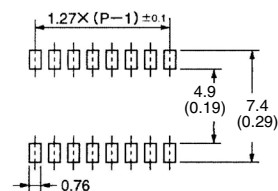
P = Number of poles

Standard

A6H-□101



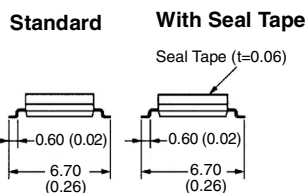
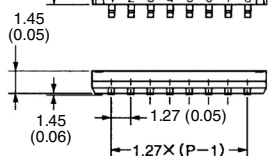
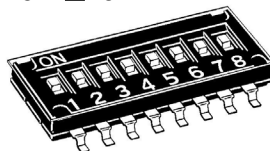
Dimensions of PCB pad (Top View)



With Seal Tape

A6H-□102

A6H-□102-P



Note: 1. There is a tolerance of ± 0.4 mm for each of the above dimensions unless otherwise specified in the diagrams.

2. The values of A in the above diagram are given below.

No. of poles	Part number		A = Width
4	A6H-4101	A6H-4102	6.31 (0.25)
6	A6H-6101	A6H-6102	8.85 (0.35)
8	A6H-8101	A6H-8102	11.39 (0.45)
10	A6H-0101	A6H-0102	13.93 (0.55)

Installation

Internal Connections (Top View)

