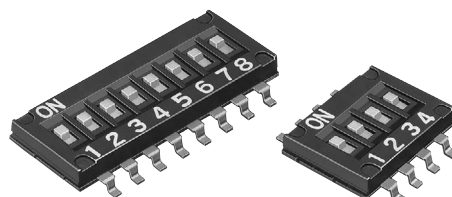


Slide DIP Switch (SMT Half-pitch)

A6H

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

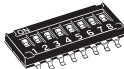
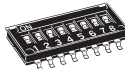
- Industry's lowest-class profile of 1.55 mm.
- Half-pitch (1.27-mm) design allows greater compactness and reduces mounting space by 63%. (compared with conventional models)
- Washable, seal tape models available.
- Embossed tapping models available for automatic mounting.



RoHS Compliant

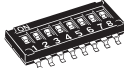
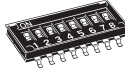
■List of Models

● 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	A6H-2101	125	A6H-2102	125
4	A6H-4101	75	A6H-4102	75
6	A6H-6101	54	A6H-6102	54
8	A6H-8101	40	A6H-8102	40
10	A6H-0101	33	A6H-0102	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	A6H-2101-P	4,000	A6H-2101-PM	500	A6H-2102-P	4,000	A6H-2102-PM	500
4	A6H-4101-P		A6H-4101-PM		A6H-4102-P		A6H-4102-PM	
6	A6H-6101-P		A6H-6101-PM		A6H-6102-P		A6H-6102-PM	
8	A6H-8101-P		A6H-8101-PM		A6H-8102-P		A6H-8102-PM	
10	A6H-0101-P		A6H-0101-PM		A6H-0102-P		A6H-0102-PM	

Note: Order in multiples of the package quantity.

■ Ratings/Characteristics

Ratings		25 mA at 24 VDC 10 μ A (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 M Ω min. (at 250 VDC)
Contact resistance		200 m Ω max. (initial value)
Dielectric strength	Between terminals	300 VAC for 1 min
Vibration resistance	Malfunction	10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction	300 m/s ² 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)

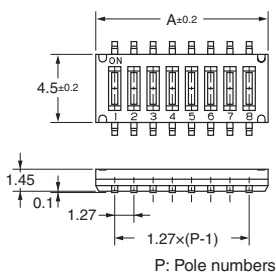
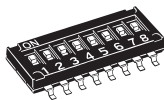
■ Dimensions (Unit: mm)

● Standard

A6H-□101

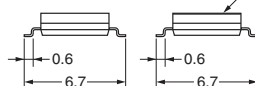
A6H-□101-P

A6H-□101-PM

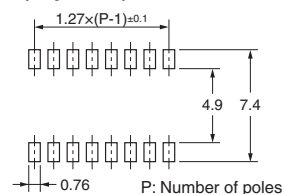


Standard With seal tape

Seal tape (t=0.05)



Dimensions of PCB Pad (Top View)

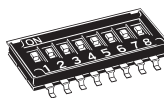


● With Seal Tape

A6H-□102

A6H-□102-P

A6H-□102-PM

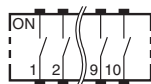


No. of poles	Model		Dimension A
	Standard	With seal tape	
2	A6H-2101	A6H-2102	3.77
4	A6H-4101	A6H-4102	6.31
6	A6H-6101	A6H-6102	8.85
8	A6H-8101	A6H-8102	11.39
10	A6H-0101	A6H-0102	13.93

Note: Unless otherwise specified, a tolerance of ± 0.4 mm applies to all dimensions.

■ Internal Connection

Contact Form (Top View)



■ Precautions

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

- Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.
- Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.

Note: Do not use this document to operate the Unit.

OMRON Corporation**ELECTRONIC AND MECHANICAL COMPONENTS COMPANY****Contact: www.omron.com/ecb****Cat. No. A117-E1-03**
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