OMRON

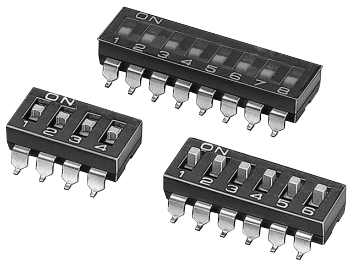
Slide DIP Switch

A6S-H

Standard Surface-Mounting Slide DIP Switches

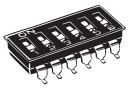
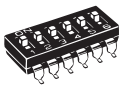
- Gold-plated twin contacts ensure high reliability.
- Washable, with seal tape available.
- Models with from 1 to 10 poles meet wide needs.
- Embossed taping available for small-reel 100 pcs/ 500 pcs.

RoHS Compliant



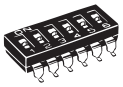
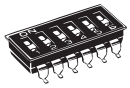
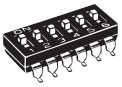
■List of Models

Tube Packaging

Type		Flat actuator		Raised actuator
		Standard	With seal tape	
				
No. of poles	Quantity per tube			
1	130	**A6S-1101-H**	**A6S-1102-H**	**A6S-1104-H**
2	76	**A6S-2101-H**	**A6S-2102-H**	**A6S-2104-H**
3	55	**A6S-3101-H**	**A6S-3102-H**	**A6S-3104-H**
4	42	**A6S-4101-H**	**A6S-4102-H**	**A6S-4104-H**
5	35	**A6S-5101-H**	**A6S-5102-H**	**A6S-5104-H**
6	28	**A6S-6101-H**	**A6S-6102-H**	**A6S-6104-H**
7	25	**A6S-7101-H**	**A6S-7102-H**	**A6S-7104-H**
8	22	**A6S-8101-H**	**A6S-8102-H**	**A6S-8104-H**
9	20	**A6S-9101-H**	**A6S-9102-H**	**A6S-9104-H**
10	18	**A6S-0101-H**	**A6S-0102-H**	**A6S-0104-H**

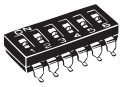
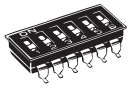
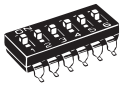
Note: Order in multiples of the package quantity.

Embossed Taping (Standard reel)

No. of poles	Quantity per reel	Flat actuator: Standard	Flat actuator: With seal tape	Raised actuator: Quantity per reel	Raised actuator
					
1	800	**A6S-1101-PH**	**A6S-1102-PH**	800	**A6S-1104-PH**
2	900	**A6S-2101-PH**	**A6S-2102-PH**	700	**A6S-2104-PH**
3		**A6S-3101-PH**	**A6S-3102-PH**	700	**A6S-3104-PH**
4		**A6S-4101-PH**	**A6S-4102-PH**	700	**A6S-4104-PH**
5		**A6S-5101-PH**	**A6S-5102-PH**	800	**A6S-5104-PH**
6		**A6S-6101-PH**	**A6S-6102-PH**	700	**A6S-6104-PH**
7		**A6S-7101-PH**	**A6S-7102-PH**	800	**A6S-7104-PH**
8		**A6S-8101-PH**	**A6S-8102-PH**	700	**A6S-8104-PH**
9		--- (See note 2.)	**A6S-9102-PH**	700	**A6S-9104-PH**
10		--- (See note 2.)	**A6S-0102-PH**	800	**A6S-0104-PH**

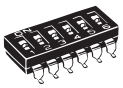
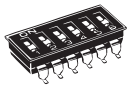
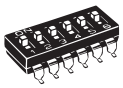
Note: 1. Order in multiples of the package quantity.
2. Models with a different number of poles than those listed here can also be ordered. For details, consult your OMRON sales representative.

Embossed Taping (Small reel)

No. of poles	Quantity per reel	Flat actuator: Standard	Flat actuator: With seal tape	Raised actuator
				
2	400	--- (See note 2.)	**A6S-2102-PMH**	--- (See note 2.)
3		**A6S-3101-PMH**	--- (See note 2.)	--- (See note 2.)
4		**A6S-4101-PMH**	**A6S-4102-PMH**	**A6S-4104-PMH**
6		**A6S-6101-PMH**	**A6S-6102-PMH**	**A6S-6104-PMH**
8		**A6S-8101-PMH**	**A6S-8102-PMH**	**A6S-8104-PMH**
10		**A6S-0101-PMH**	**A6S-0102-PMH**	**A6S-0104-PMH**

Note: 1. Order in multiples of the package quantity.
2. Models with a different number of poles than those listed here can also be ordered. For details, consult your OMRON sales representative.

Embossed Taping (100 pcs reel)

No. of poles	Quantity per reel	Flat actuator: Standard	Flat actuator: With seal tape	Raised actuator
				
1	100	**A6S-1101-H-R100**	**A6S-1102-H-R100**	**A6S-1104-H-R100**
2		**A6S-2101-H-R100**	**A6S-2102-H-R100**	**A6S-2104-H-R100**
3		**A6S-3101-H-R100**	**A6S-3102-H-R100**	**A6S-3104-H-R100**
4		**A6S-4101-H-R100**	**A6S-4102-H-R100**	**A6S-4104-H-R100**
5		**A6S-5101-H-R100**	**A6S-5102-H-R100**	**A6S-5104-H-R100**
6		**A6S-6101-H-R100**	**A6S-6102-H-R100**	**A6S-6104-H-R100**
7		**A6S-7101-H-R100**	**A6S-7102-H-R100**	**A6S-7104-H-R100**
8		**A6S-8101-H-R100**	**A6S-8102-H-R100**	**A6S-8104-H-R100**
9		**A6S-9101-H-R100**	**A6S-9102-H-R100**	**A6S-9104-H-R100**
10		**A6S-0101-H-R100**	**A6S-0102-H-R100**	**A6S-0104-H-R100**

■Ratings/Characteristics

Rating (resistive load)		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 with insulation tester)
Contact resistance (initial value)		200 mΩ max.
Dielectric strength	**Between terminals**	500 VAC for 1 min
Vibration resistance	**Malfunction**	10 to 55 Hz, 1.5-mm double amplitude

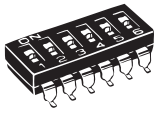
Shock resistance	**Malfunction**	300 m/s^2 min.
Durability	**Electrical**	1,000 operations min.
Washing		Standard models: Not possible, Models with seal tape: Possible, Models with raised actuators: Not possible
Degree of protection		IEC IP40
Operating force		0.29 to 9.8 N {30 to 1,000 gf}
Weight		0.25 g (2 poles) 0.41 g (4 poles) 0.58 g (6 poles) 0.73 g (8 poles) 0.87 g (10 poles)

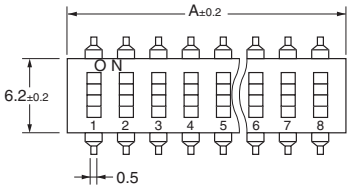
■Dimensions (Unit: mm)

● Flat Actuator

Standard

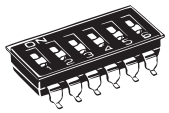
A6S-□101-H
A6S-□101-PH
A6S-□101-PMH
A6S-□101-H-R100

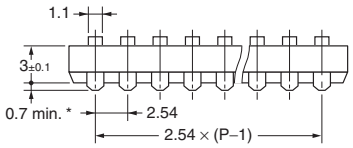




With Seal Tape

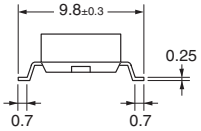
A6S-□102-H
A6S-□102-PH
A6S-□102-PMH
A6S-□102-H-R100



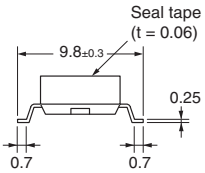


* 1 pole type is 0 to 0.15 mm

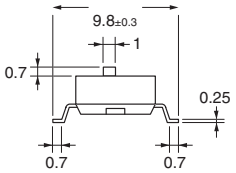
Flat Actuator Standard



Flat Actuator With Seal Tape

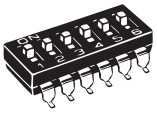


Raised Actuator

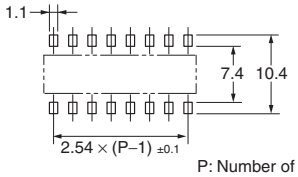


● Raised Actuator

A6S-□104-H
A6S-□104-PH
A6S-□104-PMH
A6S-□104-H-R100



PCB Dimensions (Reference) (Top View)



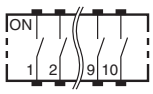
P: Number of poles

No. of poles	Model			Dimension A
	Flat Actuator		Raised Actuator	
	Standard	With Seal Tape		
1	A6S-1101-H	A6S-1102-H	A6S-1104-H	3.48
2	A6S-2101-H	A6S-2102-H	A6S-2104-H	6.02
3	A6S-3101-H	A6S-3102-H	A6S-3104-H	8.56
4	A6S-4101-H	A6S-4102-H	A6S-4104-H	11.10
5	A6S-5101-H	A6S-5102-H	A6S-5104-H	13.64
6	A6S-6101-H	A6S-6102-H	A6S-6104-H	16.18
7	A6S-7101-H	A6S-7102-H	A6S-7104-H	18.72
8	A6S-8101-H	A6S-8102-H	A6S-8104-H	21.26
9	A6S-9101-H	A6S-9102-H	A6S-9104-H	23.80
10	A6S-0101-H	A6S-0102-H	A6S-0104-H	26.34

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

■Internal Connections

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**

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