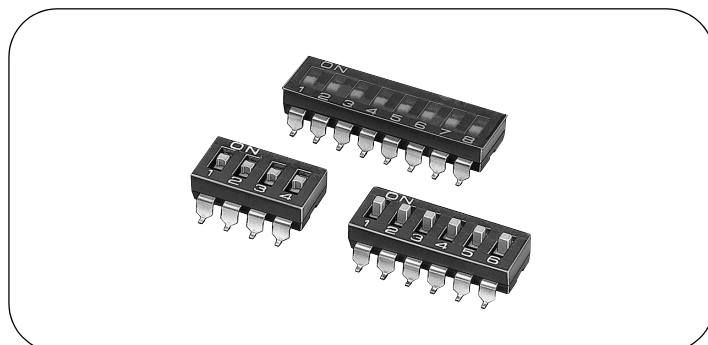


A6S-H

Slide DIP Switch

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/400 pcs.



■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.

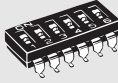
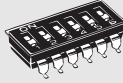
●Embossed Taping (Standard reel)

Type		Flat actuator		Raised actuator	
		Standard	With seal tape		
No. of poles	Quantity per reel			Quantity per reel	
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	700	A6S-0104-PH

Note: 1. Order in multiples of the package quantity.

Note: 2. Models with a different number of poles than those listed here can also be ordered. For details, consult your OMRON sales representative.

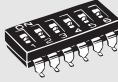
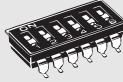
● Embossed Taping (Small reel)

Type		Flat actuator		Raised actuator
		Standard	With seal tape	
				
No. of poles	Quantity per reel			
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.

Note: 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)

Type		Flat actuator		Raised actuator
		Standard	With seal tape	
				
No. of poles	Quantity per reel			
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 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 with insulation tester)
Contact resistance (initial value)		200 m Ω 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 equivalent
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

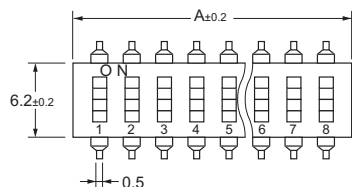
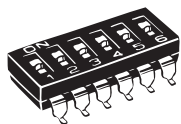
Standard

A6S-□101-H

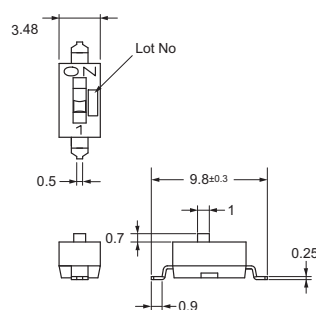
A6S-□101-PH

A6S-□101-PMH

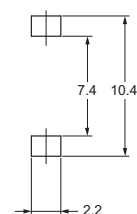
A6S-□101-H-R100



1-pole Switch Dimensions



1-pole PCB Layout



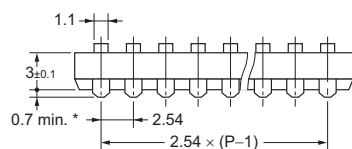
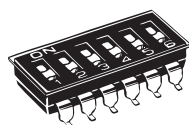
With Seal Tape

A6S-□102-H

A6S-□102-PH

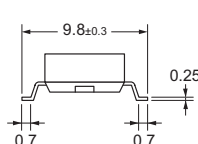
A6S-□102-PMH

A6S-□102-H-R100

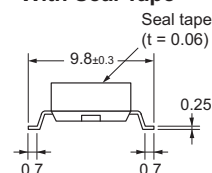


* 1 pole type is 0 to 0.15 mm

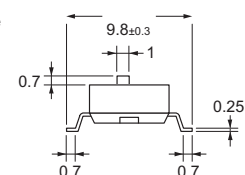
Flat Actuator Standard



Flat Actuator With Seal Tape



Raised Actuator



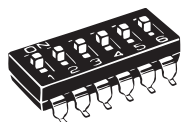
● Raised Actuator

A6S-□104-H

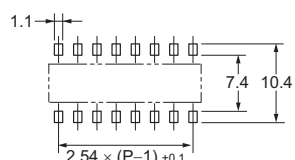
A6S-□104-PH

A6S-□104-PMH

A6S-□104-H-R100



PCB Dimensions (Reference) (Top View)



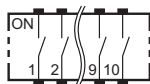
P: Number of poles

No. of poles	Model			Dimension A
	Standard	With Seal Tape	Raised Actuator	
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

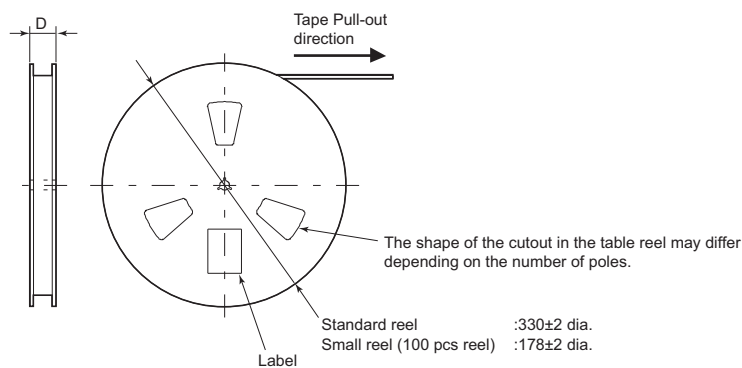
Note: Unless otherwise specified, a tolerance of ± 0.4 mm applies to all dimensions.

■ Internal Connections

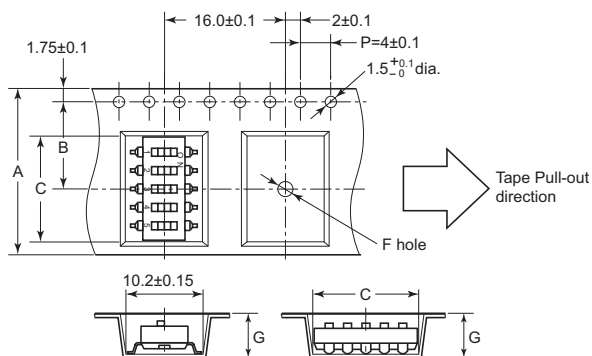
Contact Form (Top View)



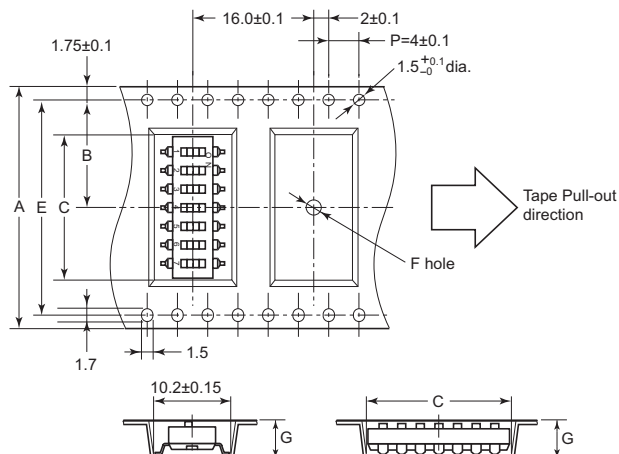
■Embossed Taping Packing Specifications



● 1 to 6 poles



● 7 to 10 poles



No. of poles	1		2		3		4		5		6		7		8		9		10	
Item	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised	Flat	Raised
A±0.3	16	16	16	16	24	16	24	24	24	24	24	24	32	32	32	32	44	44	44	44
B±0.1	7.5	7.5	7.5	7.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	11.5	14.2	14.2	14.2	14.2	20.2	20.2	20.2	20.2
C±0.15	3.78	6.4	6.4	6.4	8.9	8.9	11.56	14.2	14	14	16.6	16.6	19.2	21.7	21.5	24.26	24.26	26.8	26.8	26.8
D	(22)	(20)	(22)	(22)	(30)	(30)	(25)	(25)	(30)	(30)	(25)	(25)	(38)	(38)	(38)	(38)	(50)	(50)	(50)	(50)
E±0.1	---	---	---	---	---	---	---	---	---	---	---	---	28.4	28.4	28.4	28.4	40.4	40.4	40.4	40.4
F	1.5 dia.	1.5 dia.	1.5 dia.	1.5 dia.	1.5 dia.	1.5 dia.	1.5 dia.	1.5 dia.	2.0 dia.	2.0 dia.	2.0 dia.	2.0 dia.	2.0 dia.	2.0 dia.	2.0 dia.	2.0 dia.	2.0 dia.	2.0 dia.	2.0 dia.	2.0 dia.
G	4.65	4.4	5.9	4.9	5.9	4.4	5.9	4.9	5	5	4.4	5.9	4.9	5	4.4	5.9	4.9	6	4.9	6
Standard reel	800	900	700	900	700	900	700	900	800	900	700	900	800	900	700	900	700	900	700	700
Small reel	400																			
100 pcs reel	100																			

■Precautions

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

Please check each region's Terms & Conditions by region website.

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