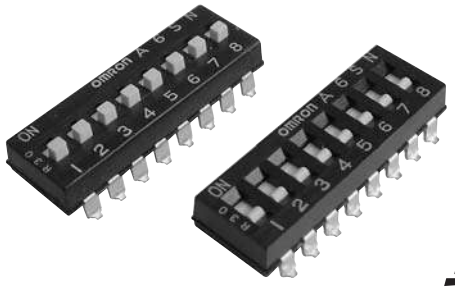
OMRON

DIP Switch (Slide Type) SMT

A6SN

Knife-edge high pressure mechanics.

- Knife-edge high pressure mechanics will ensure high reliability.
- Knife-edge high pressure mechanics will ensure washing without seal tape.
- Embossed taping models available for automatic mounting.
- Temperature-resistance resin allows at peak reflow temperature of 260 °C.



NEW

RoHS Compliant

Ordering Information

Stick type

Type and color of actuator		Flat actuator (white)	Raised actuator (white)
			
No.of poles	Quantity per stick		
1	100	**A6SN-1101**	**A6SN-1104**
2	60	**A6SN-2101**	**A6SN-2104**
3	45	**A6SN-3101**	**A6SN-3104**
4	35	**A6SN-4101**	**A6SN-4104**
5	30	**A6SN-5101**	**A6SN-5104**
6	25	**A6SN-6101**	**A6SN-6104**
7	20	**A6SN-7101**	**A6SN-7104**
8	20	**A6SN-8101**	**A6SN-8104**
9	15	**A6SN-9101**	**A6SN-9104**
10	15	**A6SN-0101**	**A6SN-0104**

Embossed taping type

Type and color of actuator	Flat actuator (white)		Raised actuator (white)	
				
No.of poles	Quantity per package		Quantity per package	
2	**750**	**A6SN-2101-P**	700	**A6SN-2104-P**
3		**A6SN-3101-P**		**A6SN-3104-P**
4		**A6SN-4101-P**		**A6SN-4104-P**
5		**A6SN-5101-P**		**A6SN-5104-P**
6		**A6SN-6101-P**		**A6SN-6104-P**
7		**A6SN-7101-P**		**A6SN-7104-P**
8		**A6SN-8101-P**		**A6SN-8104-P**
9		**A6SN-9101-P**		**A6SN-9104-P**
10		**A6SN-0101-P**		**A6SN-0104-P**

Note: **1.** Seal tape models available for flat actuator.

2. Orders must be made in integral multiples of packaging quantities.

Specifications

■ Ratings/Characteristics

Rating	24 VDC 25 mA, 10 μA (minimum current) at 3.5 VDC
Ambient operating temperature	-30 to 85 °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 100 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: 490 m/s^2 min.
Life expectancy	Electrical: 1,000 operations min.
Operating force	0.98 to 7.9 N
Weight	0.3 g (2 poles) 0.55 g (4 poles) 0.8 g (6 poles) 1.05 g (8 poles) 1.3 g (10 poles)

Dimensions

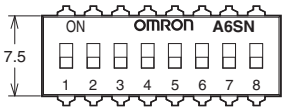
Note: **1.** All units are in millimeters unless otherwise indicated.

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

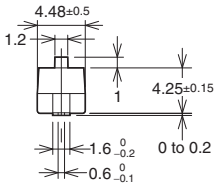
■ Flat actuator

A6SN-□101





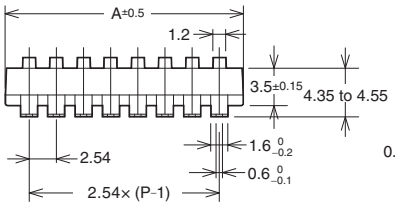
1 pole type



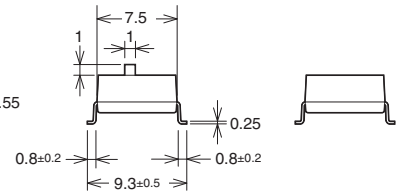
■ Raised actuator

A6SN-□104

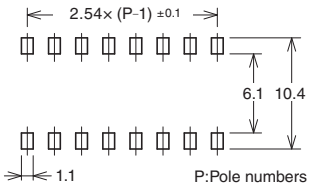




Raised actuator **Flat actuator**



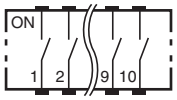
Dimensions of PCB pad (Top View)



No.of poles	Models		A
	Flat actuator	Raised actuator	
1	A6SN-1101	A6SN-1104	4.48
2	A6SN-2101	A6SN-2104	7.0
3	A6SN-3101	A6SN-3104	9.6
4	A6SN-4101	A6SN-4104	12.1
5	A6SN-5101	A6SN-5104	14.6
6	A6SN-6101	A6SN-6104	17.2
7	A6SN-7101	A6SN-7104	19.7
8	A6SN-8101	A6SN-8104	22.3
9	A6SN-9101	A6SN-9104	24.8
10	A6SN-0101	A6SN-0104	27.3

Installation

■ Internal Connections (Top View)

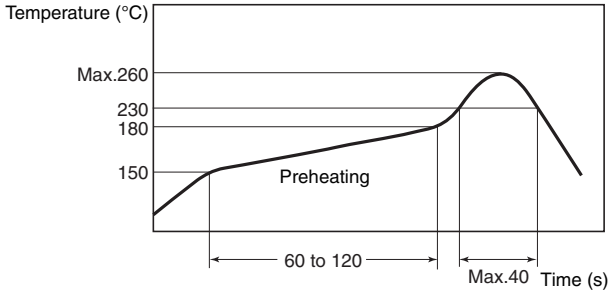


Safety Precautions

■ Correct Use

Soldering

- Set the Switch to OFF before soldering.
- Observe the follwing conditions for reflow soldering.
  (Measurement location: Top of Switch)



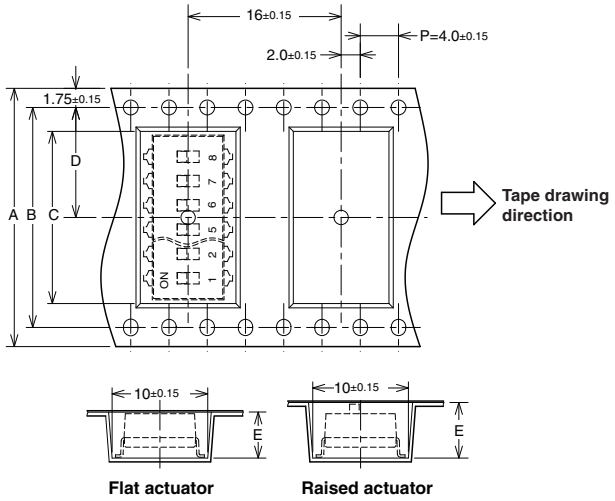
- The reflow of soldering is principle possible only for one time.
  Please contact us about details.
- Manual Soldering
  Soldering temperature : 400 °C max.
  at the tip of the soldering iron.
  Soldering time : 4 s max.

Washing

Apply alcohol-based solvents to clean.

Do not apply water or any other agents to clean, as such agents may degrade the materials or performance of the Switch.

Packing Specifications



Dimension \ No. of poles		2	3	4	5	6	7	8	9	10
A		24	24	24	24	32	32	44	44	44
B						28.4	28.4	40.4	40.4	40.4
C		7.9	10.4	12.9	15.4	18.0	20.5	22.7	25.5	28.1
D		11.5	11.5	11.5	11.5	14.2	14.2	20.2	20.2	20.2
E	Flat	4.8								
	Raised	5.8								

Environment for Storage and Use

To prevent discoloration of the terminals and other problems during storage, do not store the A6SN in locations subject to the following conditions.

High temperatures or humidity/Corrosive gases

Direct sunlight/Contact with water

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

Cat. No. A193-E1-01 In the interest of product improvement, specifications are subject to change without notice.

OMRON Corporation

OMRON SWITCH & DEVICES Corporation

Consumer & Commercial Switch Department
Marketing
2075, Miyoshi, Nakaku, Okayama
Okayama, 703-8502 Japan
Tel: (81)86-277-6024/Fax: (81)86-276-5044
URL : http://www.omron.com/ecb/

Printed in Japan
0610 (0610) (W)