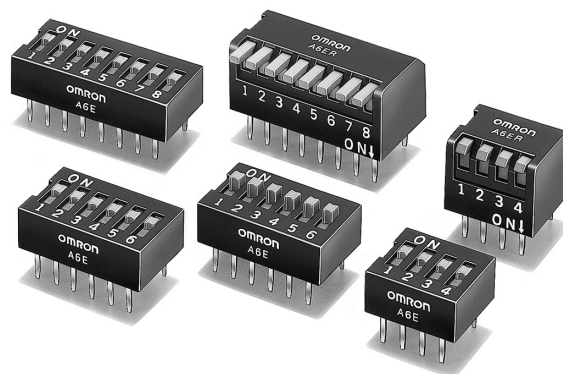


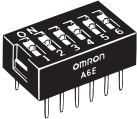
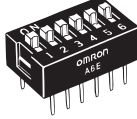
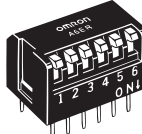
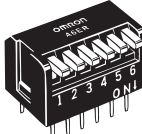
DIP Switch A6E/A6ER

Box-shaped DIP Switch with Through hole Terminals

- The bottom is sealed with resin to prevent flux penetration.
- Side actuated models feature short or long actuators (levers).
- Gold-plated contacts ensure high reliability.
- RoHS Compliant



Ordering Information

No. of poles	Quantity per Tube	Flat actuated	Raised actuator	Quantity per Tube	Side actuated (short-lever)	Side actuated (long-lever)
						
2	73	A6E-2101	A6E-2104	70	A6ER-2101	A6ER-2104
3	52	A6E-3101	A6E-3104	50	A6ER-3101	A6ER-3104
4	40	A6E-4101	A6E-4104	39	A6ER-4101	A6ER-4104
5	33	A6E-5101	A6E-5104	32	A6ER-5101	A6ER-5104
6	28	A6E-6101	A6E-6104	27	A6ER-6101	A6ER-6104
7	24	A6E-7101	A6E-7104	24	A6ER-7101	A6ER-7104
8	21	A6E-8101	A6E-8104	21	A6ER-8101	A6ER-8104
9	19	A6E-9101	A6E-9104	19	A6ER-9101	A6ER-9104
10	17	A6E-0101	A6E-0104	17	A6ER-0101	A6ER-0104

Important Note: Switches cannot be water-washed.

Specifications

■ Characteristics

Switching capacity		25 mA at 24 VDC
Minimum permissible load		10 μ A at 3.5 VDC
Contact resistance		200 m Ω max.
Insulation resistance		100 M Ω min. (at 250 VDC)
Dielectric strength		500 VAC for 1 min between terminals
Operating force		30 to 1,000 gf (0.3 to 9.8 N)
Vibration resistance	Malfunction durability	10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction durability	300 m/s ² min. (approx. 30G min.)
Life expectancy	Mechanical	1,000 operations min.
	Electrical	1,000 operations min.
Ambient operating temperature		-20°C to 70°C at 60% RH max. (with no icing or condensation)
Ambient operating humidity		35% to 95% (at 5 to 35°C)
Weight		A6E: 0.66 g (2 poles), 1.00 g (4 poles), 1.32 g (6 poles), 1.65 g (8 poles), 1.98 g (10 poles) A6ER: 1.01 g (2 poles), 1.51 g (4 poles), 2.00 g (6 poles), 2.51 g (8 poles), 3.02 g (10 poles)

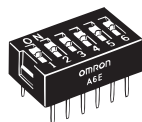
Note: Data shown are of initial value.

Dimensions

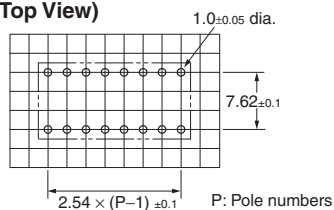
- Note:** 1. All units are in millimeters unless otherwise indicated.
2. Unless otherwise specified, a tolerance of ± 0.4 mm applies to all dimensions.

Flat Actuator

A6E-□101



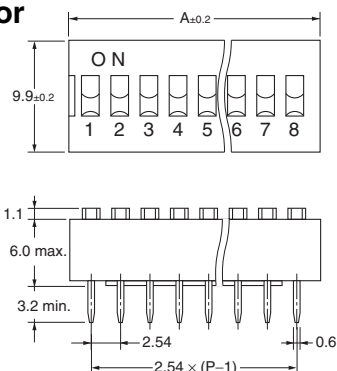
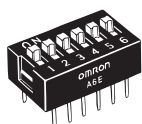
PCB Dimensions
(Top View)



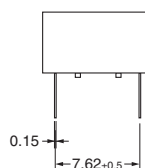
No. of poles	Model		Dimension A
	Flat Actuator	Raised Actuator	
2	A6E-2101	A6E-2104	6.64
3	A6E-3101	A6E-3104	9.18
4	A6E-4101	A6E-4104	11.72
5	A6E-5101	A6E-5104	14.26
6	A6E-6101	A6E-6104	16.80
7	A6E-7101	A6E-7104	19.34
8	A6E-8101	A6E-8104	21.88
9	A6E-9101	A6E-9104	24.42
10	A6E-0101	A6E-0104	26.96

Raised Actuator

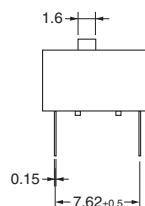
A6E-□104



Flat Actuator

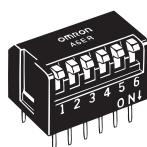


Raised Actuator

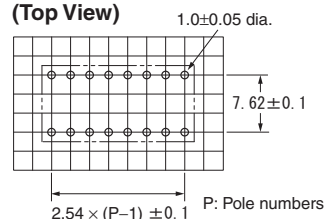


Side Actuated (short-lever)

A6ER-□102



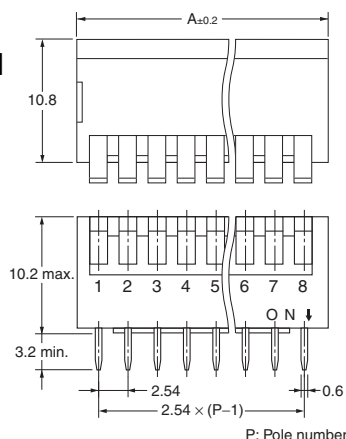
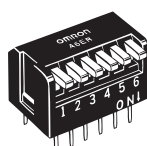
PCB Dimensions
(Top View)



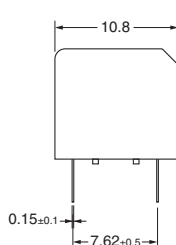
No. of poles	Model		Dimension A
	Side actuated (short-lever)	Side actuated (long-lever)	
2	A6ER-2101	A6ER-2104	6.64
3	A6ER-3101	A6ER-3104	9.18
4	A6ER-4101	A6ER-4104	11.72
5	A6ER-5101	A6ER-5104	14.26
6	A6ER-6101	A6ER-6104	16.80
7	A6ER-7101	A6ER-7104	19.34
8	A6ER-8101	A6ER-8104	21.88
9	A6ER-9101	A6ER-9104	24.42
10	A6ER-0101	A6ER-0104	26.96

Side Actuated (long-lever)

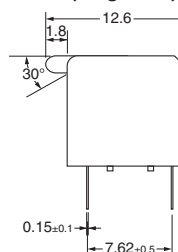
A6ER-□104



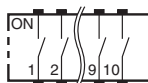
Side Actuator (short-lever)



Side Actuator (long-lever)



Internal connections
(top view)



Omron Electronic Components, LLC

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- Definitions:** The words used herein are defined as follows.
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To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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