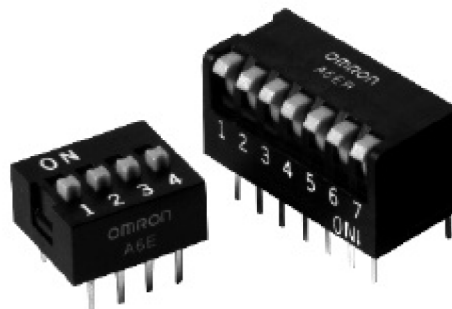


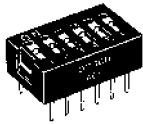
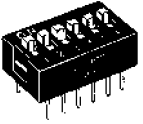
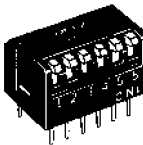
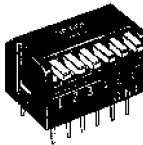
# DIP Switch A6E/A6ER

## DIP Switch

- The sealed bottom prevents flux penetration
- A variety of models including models with short or long levers are available
- RoHS Compliant



## Ordering Information

No. of poles	Flat actuated	Raised actuator	Side actuated (short-lever)	Side actuated (long-lever)
	DIP terminal 	DIP terminal 	DIP terminal 	DIP terminal 
2	A6E-2101	A6E-2104	A6ER-2101	A6ER-2104
3	A6E-3101	A6E-3104	A6ER-3101	A6ER-3104
4	A6E-4101	A6E-4104	A6ER-4101	A6ER-4104
5	A6E-5101	A6E-5104	A6ER-5101	A6ER-5104
6	A6E-6101	A6E-6104	A6ER-6101	A6ER-6104
7	A6E-7101	A6E-7104	A6ER-7101	A6ER-7104
8	A6E-8101	A6E-8104	A6ER-8101	A6ER-8104
9	A6E-9101	A6E-9104	A6ER-9101	A6ER-9104
10	A6E-0101	A6E-0104	A6ER-0101	A6ER-0104

**Important Note:** Switches cannot be water-washed.

# Specifications

## ■ Characteristics

Switching capacity	25 mA at 24 VDC	
Insulation resistance	100 MΩ min. (at 250 VDC)	
Contact resistance	200 mΩ max. (initial value)	
Dielectric strength	500 VAC for 1 min between terminals of same polarity, and between terminals of different polarity	
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude	
Shock resistance	Malfunction: 300 m/s <sup>2</sup> min. (approx. 30G min.)	
Life expectancy	Mechanical	1,000 operations min.
	Electrical	1,000 operations min.
Ambient temperature	Operating	-20°C to 70°C (with no icing)
Ambient humidity	Operating	35% to 90%
Operating force	0.29 N min. (30 gf)	

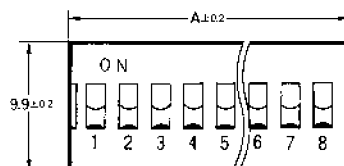
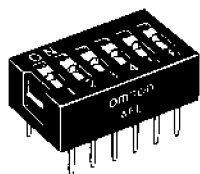
## Dimensions

Unit: mm (inch)

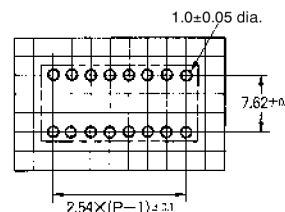
**Note:** Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.

### ■ Flat Actuated with DIP Terminal

A6E-□101

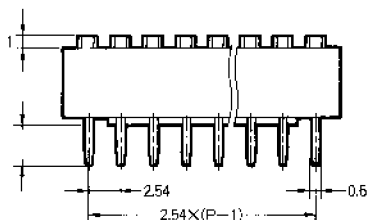
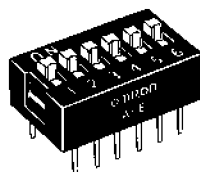


PCB Dimensions (Top View)

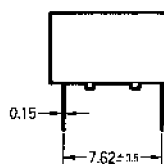


### ■ Raised Actuator with DIP Terminal

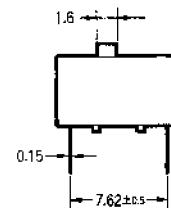
A6E-□104



Flat Actuated



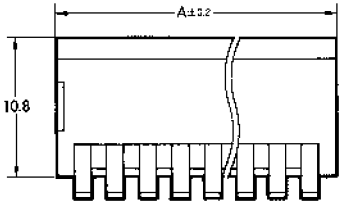
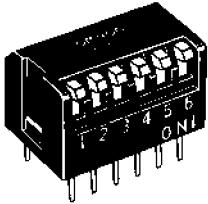
Raised Actuator



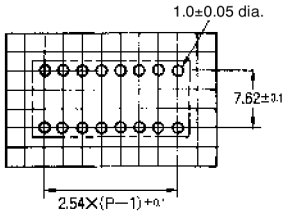
No. of poles	Part number		A
2	A6E-2101	A6E-2104	6.64
3	A6E-3101	A6E-3104	9.18
4	A6E-4101	A6E-4104	11.72
5	A6E-5101	A6E-5104	14.26
6	A6E-6101	A6E-6104	16.80
7	A6E-7101	A6E-7104	19.34
8	A6E-8101	A6E-8104	21.88
9	A6E-9101	A6E-9104	24.42
10	A6E-0101	A6E-0104	26.96

**■ DIP Terminal  
Side Actuated  
(Short-Lever)**

A6ER-□101

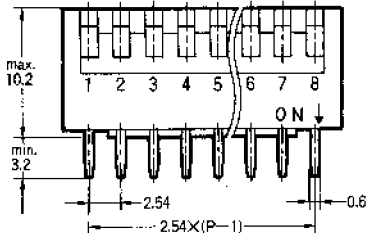
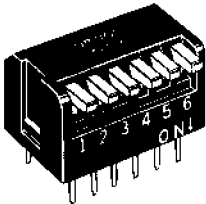


PCB Dimensions  
(Top View)

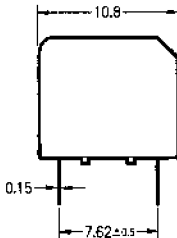


**■ Side Actuated  
(Long-Lever)**

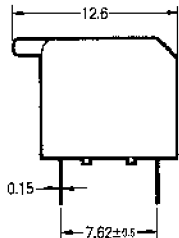
A6ER-□104



Side Actuated  
(short-lever)



Side Actuated  
(long-lever)



No. of poles	Part number		A
2	A6ER-2101	A6ER-2104	6.64
3	A6ER-3101	A6ER-3104	9.18
4	A6ER-4101	A6RE-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