

## DIP Switch (Slide Type)

A6D/A6DR




### Completely Sealed Construction Allows Immersion Cleaning Without Taping

- Designed to standards of DIL-IC; flat actuator types are auto insertable.
- Bifurcated movable contacts offer high reliability.
- Smooth, sure switching action.



### Ordering Information

#### ■ Model Number Legend:

Type No. of poles	Flat actuator	Raised actuator	Side actuator
			
2	A6D-2100	A6D-2103	A6DR-2100
4	A6D-4100	A6D-4103	A6DR-4100
6	A6D-6100	A6D-6103	A6DR-6100
8	A6D-8100	A6D-8103	A6DR-8100
10	A6D-0100	A6D-0103	A6DR-0100

### Specifications

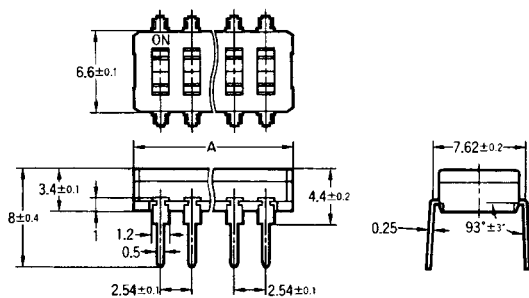
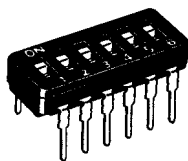
#### ■ Ratings/Characteristics

<b>Switching capacity</b>	100 mA, 5 VDC; 30 mA, 30 VDC
<b>Min. permissible load</b>	10 $\mu$ A, 3.5 VDC
<b>Carry current</b>	100 mA
<b>Contact resistance</b>	100 m $\Omega$ max.
<b>Insulation resistance</b>	100 m $\Omega$ min. (at 250 VDC)
<b>Dielectric strength</b>	500 VAC for 1 minute
<b>Operating force</b>	Flat/Raised actuator type: 2.94 N max. {300 gf} Slide actuator type: 4.9 N max. {500 gf}
<b>Vibration resistance</b>	Malfunction durability: 10 to 55 Hz, 1.5 mm total amplitude
<b>Shock resistance</b>	Malfunction durability: Approx. 300 m/s <sup>2</sup> (30 G)
<b>Ambient temperature</b>	Operating: -20 to 70°C (no icing)
<b>Humidity</b>	35 to 90%
<b>Life expectancy</b>	Mechanical: 5,000 operations min. Electrical: 2,000 operations min.
<b>Weight</b>	A6D (Flat actuator) 2-poles: 0.25 g, 4-poles: 0.45 g, 6-poles: 0.65 g, 8-poles: 0.80 g, 10-poles: 1.0 g A6DR (Side actuator) 2-poles: 0.4 g, 4-poles: 0.8 g, 6-poles: 1.2 g, 8-poles: 1.7 g, 10-poles: 2.2 g

# Dimensions

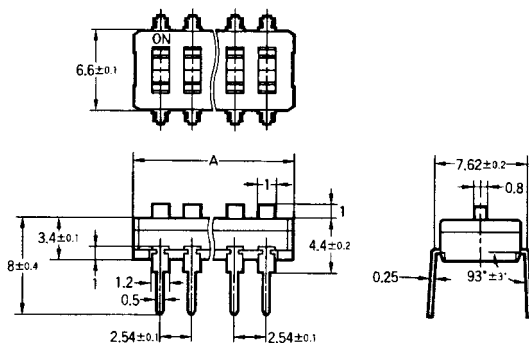
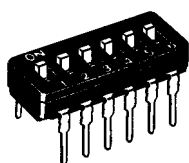
**Note:** 1. All units are in millimeters unless otherwise indicated.  
 2. Unless otherwise specified, a tolerance of  $\pm 0.4$  mm applies to all the dimensions.

## A6D-□100 (Flat actuator type)



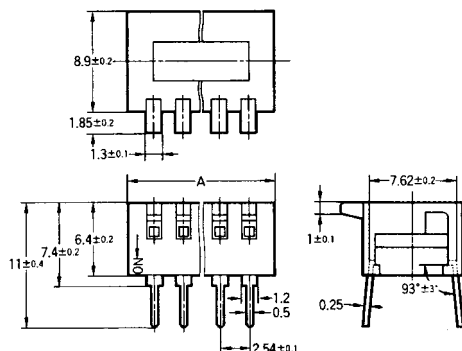
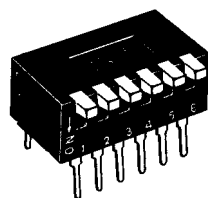
Model	Dimensions A $\pm 0.2$
A6D-2100	7.1
A6D-3100	9.7
A6D-4100	12.2
A6D-5100	14.7
A6D-6100	17.3
A6D-7100	19.8
A6D-8100	22.4
A6D-9100	24.9
A6D-0100	27.4

## A6D-□103 (Raised actuator type)



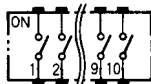
Model	Dimensions A $\pm 0.2$
A6D-2103	7.1
A6D-3103	9.7
A6D-4103	12.2
A6D-5103	14.7
A6D-6103	17.3
A6D-7103	19.8
A6D-8103	22.4
A6D-9103	24.9
A6D-0103	27.4

## A6DR-□100 (Side actuator type)



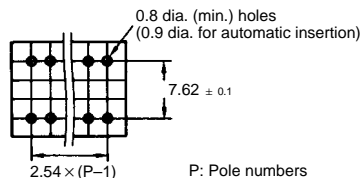
Model	Dimensions A $\pm 0.2$
A6DR-2100	7.1
A6DR-4100	9.7
A6DR-6100	12.2
A6DR-8100	14.7
A6DR-0100	17.3

### Internal connections (top view)



### Mounting holes (top view)

(Single-sided PCB,  $t=1.2$  to  $1.6$ )



**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. A052-E1-3B