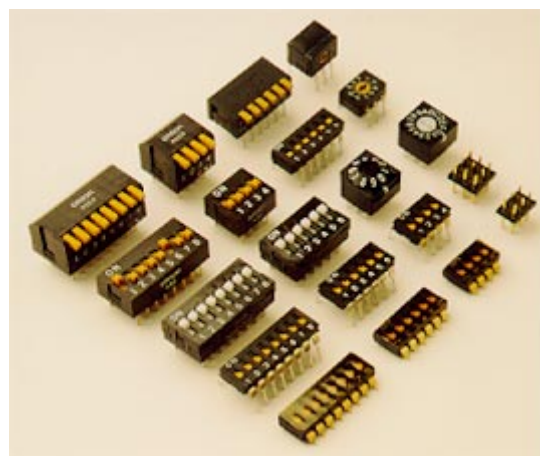


## Sealed DIP Switch

## A6D

### Completely Sealed Construction Allows Immersion Cleaning Without Taping

- Designed to standards of DIL-IC; top actuated types are auto insertable.
- Bifurcated movable contacts offer superb reliability.
- Smooth, sure switching action.



### Ordering Information

| No. of poles | Top actuated             | Tube quantity | Raised actuated          | Tube quantity | Side actuated             | Box quantity |
|--------------|--------------------------|---------------|--------------------------|---------------|---------------------------|--------------|
| 2            | <a href="#">A6D-2100</a> | 74            | <a href="#">A6D-2103</a> | 74            | <a href="#">A6DR-2100</a> | 100          |
| 3            | <a href="#">A6D-3100</a> | 54            | <a href="#">A6D-3103</a> | 54            | —                         | —            |
| 4            | <a href="#">A6D-4100</a> | 43            | <a href="#">A6D-4103</a> | 43            | <a href="#">A6DR-4100</a> | 50           |
| 5            | <a href="#">A6D-5100</a> | 35            | <a href="#">A6D-5103</a> | 35            | —                         | —            |
| 6            | <a href="#">A6D-6100</a> | 30            | <a href="#">A6D-6103</a> | 30            | <a href="#">A6DR-6100</a> | 50           |
| 7            | <a href="#">A6D-7100</a> | 26            | <a href="#">A6D-7103</a> | 26            | —                         | —            |
| 8            | <a href="#">A6D-8100</a> | 23            | <a href="#">A6D-8103</a> | 23            | <a href="#">A6DR-8100</a> | 50           |
| 9            | <a href="#">A6D-9100</a> | 21            | <a href="#">A6D-9103</a> | 21            | —                         | —            |
| 10           | <a href="#">A6D-0100</a> | 19            | <a href="#">A6D-0103</a> | 19            | <a href="#">A6DR-0100</a> | 50           |

### Specifications

#### ■ Ratings/Characteristics

|                       |                                                                                                                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Switching capacity    | 100 mA, 5VDC; 30mA, 30VDC                                                                                                                                                                                  |
| Min. permissible load | 10 $\mu$ A, 3.5VDC                                                                                                                                                                                         |
| Carry current         | 100 mA                                                                                                                                                                                                     |
| Contact resistance    | 100 m $\Omega$ max.                                                                                                                                                                                        |
| Insulation resistance | 100 M $\Omega$ min. (at 250 VDC)                                                                                                                                                                           |
| Dielectric strength   | 500 VAC for 1 minute                                                                                                                                                                                       |
| Vibration             | Malfunction durability: 10 to 55 Hz, 1.5 mm total amplitude                                                                                                                                                |
| Shock                 | Malfunction durability: Approx. 300 m/s <sup>2</sup> (30G)                                                                                                                                                 |
| Materials             | Base/cover: PBT (Polybutylene sulfide)<br>Rotor: PBT (Polyphenylene sulfide)<br>O-ring: Acryl nitril butadiene rubber<br>Movable contact: Beryllium copper<br>Terminal: 42-alloy plate (nickel-iron alloy) |
| Ambient temperature   | Operating: -20°C to 70°C (with no icing)                                                                                                                                                                   |
| Ambient humidity      | 35% to 90%                                                                                                                                                                                                 |
| Life expectancy       | Mechanical: 5,000 operations min.<br>Electrical: 2,000 operations min.                                                                                                                                     |
| Weight                | A6D (Top actuated)<br>2-pin: 0.25g, 4-pin: 0.45g, 6-pin: 0.65g, 8-pin: 0.80g, 10-pin: 1.0g<br>A6DR (Side actuated)<br>2-pin: 0.4g, 4-pin: 0.8g, 6-pin: 1.2g, 8-pin: 1.7g, 10-pin: 2.2g                     |

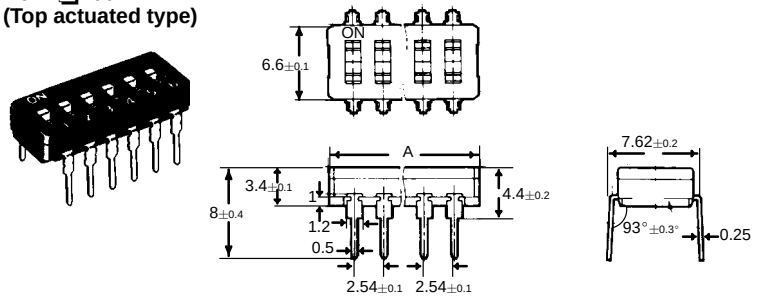
## Dimensions

| Model    | Dimensions A±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             |

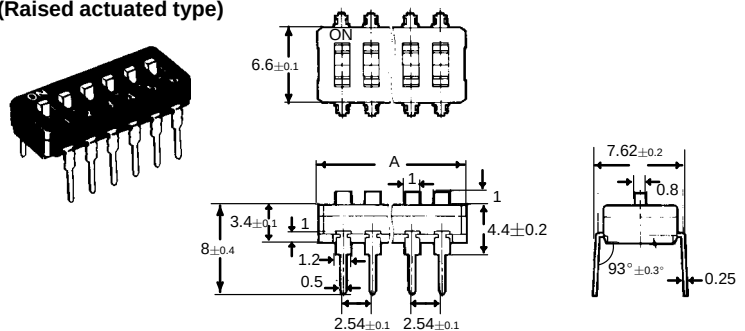
| Model    | Dimensions A±0.2 |
|----------|------------------|
| A6D-2103 | 7.1              |
| A6D-3103 | 9.7              |
| A6D-4103 | 12.2             |
| A6D-5103 | 14.7             |
| A6D-6103 | 17.3             |
| A6D-7103 | 19.8             |
| A6D-8103 | 22.4             |
| A6D-9103 |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

| Model     | Dimensions A±0.2 |
|-----------|------------------|
| A6DR-2100 | 7.1              |
| A6DR-4100 | 12.2             |
| A6DR-6100 | 17.3             |
| A6DR-8100 | 22.4             |
| A6DR-0100 | 27.4             |

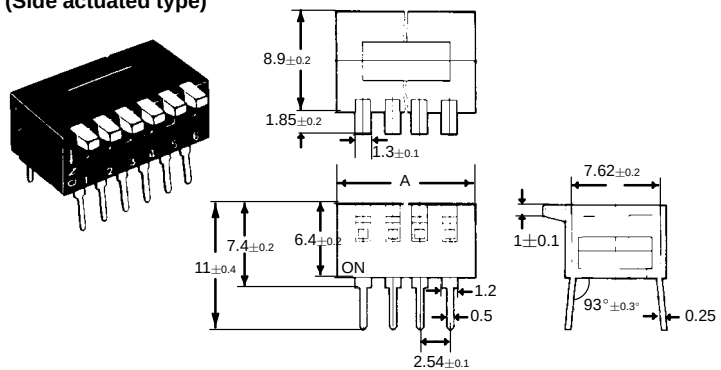
**A6D-□100**  
(Top actuated type)



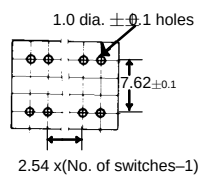
**A6D-□103**  
(Raised actuated type)



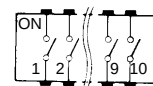
**A6DR-□100**  
(Side actuated type)



**Mounting holes**  
(Bottom view)



**Internal connections**  
(Top view)



Precautions – See A6C