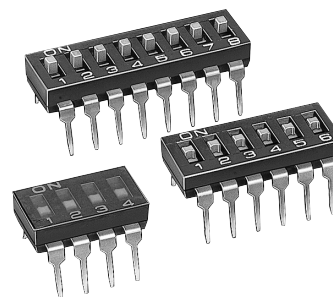


# DIP Switch (Slide Type) A6T

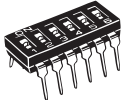
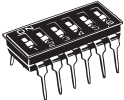
## DIP Switch with Through hole Terminals in a Wide Assortment of Pole Configurations

- Gold-plated twin contacts and a slide-type, self-cleaning mechanism ensure high reliability.
- Washable models with seal tape available.
- The wide product line extends from models with 1 to 10 poles to meet a wide range of needs.
- RoHS Compliant



## Ordering Information

### ■ Models in Stick Packages

| No. of poles | Quantity per stick | Flat                                                                               |                                                                                     | Raised   |
|--------------|--------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------|
|              |                    | Standard                                                                           | With seal tape                                                                      |          |
|              |                    |  |  |          |
| 1            | 130                | A6T-1101                                                                           | A6T-1102                                                                            | A6T-1104 |
| 2            | 76                 | A6T-2101                                                                           | A6T-2102                                                                            | A6T-2104 |
| 3            | 55                 | A6T-3101                                                                           | A6T-3102                                                                            | A6T-3104 |
| 4            | 42                 | A6T-4101                                                                           | A6T-4102                                                                            | A6T-4104 |
| 5            | 35                 | A6T-5101                                                                           | A6T-5102                                                                            | A6T-5104 |
| 6            | 28                 | A6T-6101                                                                           | A6T-6102                                                                            | A6T-6104 |
| 7            | 25                 | A6T-7101                                                                           | A6T-7102                                                                            | A6T-7104 |
| 8            | 22                 | A6T-8101                                                                           | A6T-8102                                                                            | A6T-8104 |
| 9            | 20                 | A6T-9101                                                                           | A6T-9102                                                                            | A6T-9104 |
| 10           | 18                 | A6T-0101                                                                           | A6T-0102                                                                            | A6T-0104 |

**Note:** 1. Orders must be made in integral multiples of the quantities given for each stick.

2. Switches cannot be water washed.

## Specifications

### ■ Characteristics

|                                      |                               |                                                                                           |
|--------------------------------------|-------------------------------|-------------------------------------------------------------------------------------------|
| <b>Switching capacity</b>            |                               | 25 mA at 24 VDC                                                                           |
| <b>Minimum permissible load</b>      |                               | 10 $\mu$ A at 3.5 VDC                                                                     |
| <b>Contact resistance</b>            |                               | 200 m $\Omega$ max.                                                                       |
| <b>Insulation resistance</b>         |                               | 100 M $\Omega$ min. (at 250 VDC)                                                          |
| <b>Dielectric strength</b>           |                               | 500 VAC for 1 min between terminals                                                       |
| <b>Operating force</b>               |                               | 30 to 1,000 gf (0.3 to 9.8 N)                                                             |
| <b>Vibration resistance</b>          | <b>Malfunction durability</b> | 10 to 55 Hz, 1.5-mm double amplitude                                                      |
| <b>Shock resistance</b>              | <b>Malfunction durability</b> | 300 m/s <sup>2</sup> min. (approx. 30G min.)                                              |
| <b>Ambient operating temperature</b> |                               | -20°C to 70°C at 60% R.H. max. (with no icing or condensation)                            |
| <b>Ambient operating humidity</b>    |                               | 35% to 90% (at 5 to 35°C)                                                                 |
| <b>Life expectancy</b>               | <b>Mechanical</b>             | 1,000 operations min.                                                                     |
|                                      | <b>Electrical</b>             | 1,000 operations min.                                                                     |
| <b>Weight</b>                        |                               | 0.26 g (2 poles), 0.44 g (4 poles), 0.62 g (6 poles), 0.79 g (8 poles), 0.96 g (10 poles) |

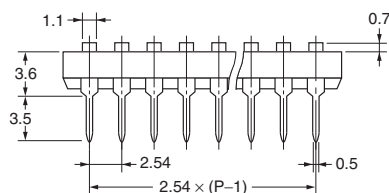
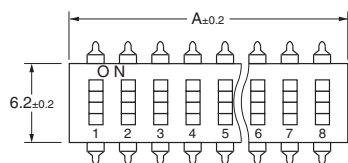
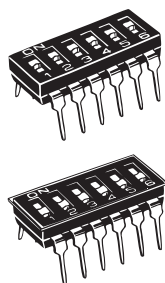
**Note:** Data shown are of initial value

# Dimensions

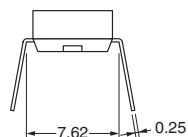
**Note:** 1. All units are in millimeters unless otherwise indicated.  
2. Unless otherwise specified, a tolerance of  $\pm 0.4$  mm applies to all dimensions.

## ■ Flat Actuator with DIP Terminal Standard/With Seal Tape

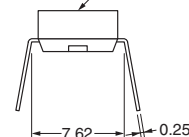
A6T-□101  
A6T-□102



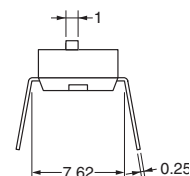
Flat Actuator  
Standard



Flat Actuator  
With Seal Tape  
Seal tape (t = 0.06)

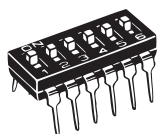


Raised Actuator



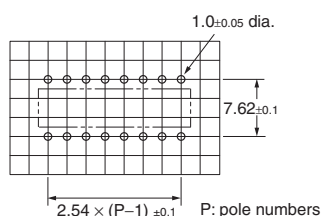
## ■ Raised Actuator with DIP Terminal

A6T-□104



| No. of poles | Model         |                |                 | Dimension A |
|--------------|---------------|----------------|-----------------|-------------|
|              | Flat Actuator |                | Raised Actuator |             |
|              | Standard      | With Seal Tape |                 |             |
| 1            | A6T-1101      | A6T-1102       | A6T-1104        | 3.48        |
| 2            | A6T-2101      | A6T-2102       | A6T-2104        | 6.02        |
| 3            | A6T-3101      | A6T-3102       | A6T-3104        | 8.56        |
| 4            | A6T-4101      | A6T-4102       | A6T-4104        | 11.10       |
| 5            | A6T-5101      | A6T-5102       | A6T-5104        | 13.64       |
| 6            | A6T-6101      | A6T-6102       | A6T-6104        | 16.18       |
| 7            | A6T-7101      | A6T-7102       | A6T-7104        | 18.72       |
| 8            | A6T-8101      | A6T-8102       | A6T-8104        | 21.26       |
| 9            | A6T-9101      | A6T-9102       | A6T-9104        | 23.80       |
| 10           | A6T-0101      | A6T-0102       | A6T-0104        | 26.34       |

Mounting holes  
(top view)



Internal connections  
(top view)





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**ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.**

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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