

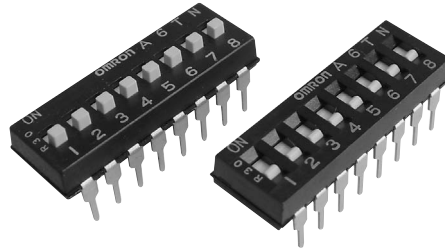
## Slide DIP Switch

## A6TN

**Knife-edge Structure with High Contact Pressure Mechanism Assures High reliability**

- Knife-edge structure enables washing without seal.
- Improved solder heat resistance (peak solder temperature: 265 °C).

RoHS Compliant



**NEW**

### ■ List of Models

Tube packaging type

| Type and color of actuator |                   | Flat actuator (white)                                                             | Raised actuator (white)                                                           |
|----------------------------|-------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| No. of poles               | Quantity per tube |  |  |
| 1                          | 100               | A6TN-1101                                                                         | A6TN-1104                                                                         |
| 2                          | 60                | A6TN-2101                                                                         | A6TN-2104                                                                         |
| 3                          | 45                | A6TN-3101                                                                         | A6TN-3104                                                                         |
| 4                          | 35                | A6TN-4101                                                                         | A6TN-4104                                                                         |
| 5                          | 30                | A6TN-5101                                                                         | A6TN-5104                                                                         |
| 6                          | 25                | A6TN-6101                                                                         | A6TN-6104                                                                         |
| 7                          | 20                | A6TN-7101                                                                         | A6TN-7104                                                                         |
| 8                          | 20                | A6TN-8101                                                                         | A6TN-8104                                                                         |
| 9                          | 15                | A6TN-9101                                                                         | A6TN-9104                                                                         |
| 10                         | 15                | A6TN-0101                                                                         | A6TN-0104                                                                         |

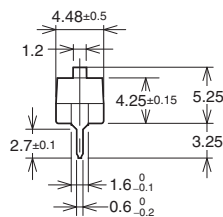
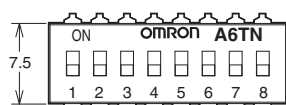
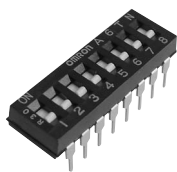
**Note:** Order in multiples of the package quantity.

### ■ Ratings/Characteristics

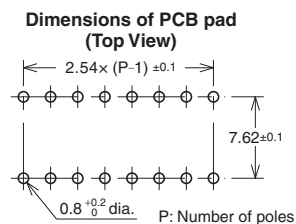
|                                      |                                                                                      |
|--------------------------------------|--------------------------------------------------------------------------------------|
| <b>Rating</b>                        | 25 mA at 24 VDC, 10 $\mu$ A (minimum current) at 3.5 VDC                             |
| <b>Ambient operating temperature</b> | -30 to +85 °C at 60% max. (with no icing or condensation)                            |
| <b>Ambient operating humidity</b>    | 35% to 95% (at +5 to +35 °C)                                                         |
| <b>Insulation resistance</b>         | 100 M $\Omega$ min. (at 100 VDC)                                                     |
| <b>Contact resistance</b>            | 200 m $\Omega$ max. (initial value)                                                  |
| <b>Dielectric strength</b>           | 300 VAC for 1 min between terminals                                                  |
| <b>Vibration resistance</b>          | Malfunction: 10 to 55 Hz, 1.5-mm double amplitude                                    |
| <b>Shock resistance</b>              | Malfunction: 490 m/s <sup>2</sup> min.                                               |
| <b>Durability</b>                    | Electrical: 1,000 operations min.                                                    |
| <b>Operating force</b>               | 0.98 to 7.9 N {100 to 806 gf}                                                        |
| <b>Weight</b>                        | 0.31 g (2 poles) 0.58 g (4 poles) 0.84 g (6 poles) 1.1 g (8 poles) 1.36 g (10 poles) |

## ■ Dimensions (Unit: mm)

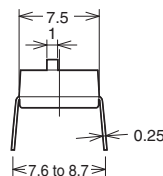
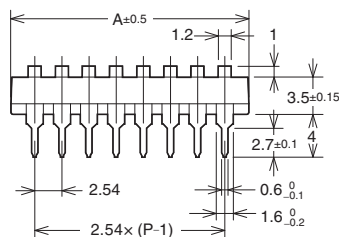
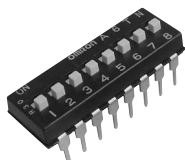
### Flat actuator A6TN-□101



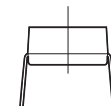
1 pole type



### Raised actuator A6TN-□104



Raised actuator



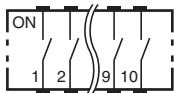
Flat actuator

| No. of poles | Models        |                 | A    |
|--------------|---------------|-----------------|------|
|              | Flat actuator | Raised actuator |      |
| 1            | A6TN-1101     | A6TN-1104       | 4.48 |
| 2            | A6TN-2101     | A6TN-2104       | 7.0  |
| 3            | A6TN-3101     | A6TN-3104       | 9.6  |
| 4            | A6TN-4101     | A6TN-4104       | 12.1 |
| 5            | A6TN-5101     | A6TN-5104       | 14.6 |
| 6            | A6TN-6101     | A6TN-6104       | 17.2 |
| 7            | A6TN-7101     | A6TN-7104       | 19.7 |
| 8            | A6TN-8101     | A6TN-8104       | 22.3 |
| 9            | A6TN-9101     | A6TN-9104       | 24.8 |
| 10           | A6TN-0101     | A6TN-0104       | 27.3 |

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

## ■ Internal Connection

### Contact Form (Top View)



## ■ Precautions

Be sure to read the Safety precautions common to all DIP Switches for correct use.

- Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.
- Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.

**Note:** Do not use this document to operate the Unit.

**OMRON Corporation**

ELECTRONIC AND MECHANICAL COMPONENTS COMPANY

Contact: [www.omron.com/ecb](http://www.omron.com/ecb)

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<http://moschip.ru/get-element>

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### Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: [info@moschip.ru](mailto:info@moschip.ru)

Skype отдела продаж:

moschip.ru

moschip.ru\_4

moschip.ru\_6

moschip.ru\_9