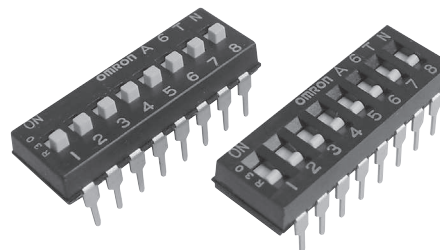


# DIP Switch A6TN

## Knife-edge high pressure mechanics.



- Knife-edge high pressure mechanics ensures high reliability.
- Knife-edge high pressure mechanics enables washing without seal tape.
- Temperature-resistance resin allows at peak soldering temperature of 265 °C.
- RoHS Compliant



**NEW**

## Ordering Information

### ■ Models in Tube Packages

No. of poles	Quantity per stick	Flat actuator	Raised actuator
			
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 quantities given for each package.

## 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 100 VDC)
<b>Dielectric strength</b>		300 VAC for 1 min between terminals
<b>Operating force</b>		100 to 806 gf (0.98 to 7.9 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>	490 m/s <sup>2</sup> min. (approx. 49.9G min.)
<b>Service life</b>	<b>Electrical</b>	1,000 operations min.
<b>Ambient operating temperature</b>		-30 to 85°C at 60% RH max. (with no icing or condensation)
<b>Ambient operating humidity</b>		35% to 95% (at 5 to 35°C)
<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)

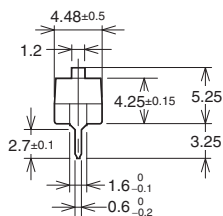
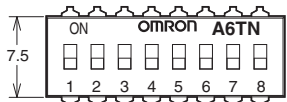
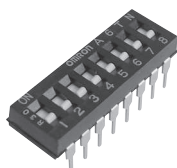
**Note:** Data shown are of initial value

# Dimensions

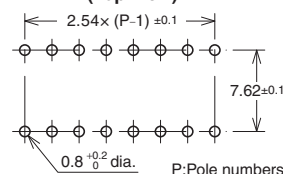
**Note:** 1. All units are in millimeters unless otherwise indicated.  
 2. Unless otherwise specified, a tolerance of  $\pm 0.4$  mm applies to all dimensions.

## Flat actuator

A6TN-□101



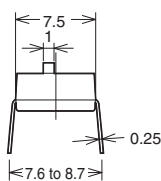
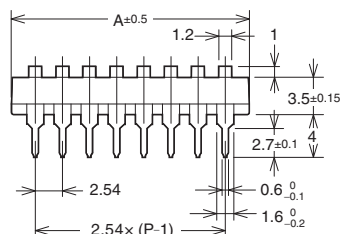
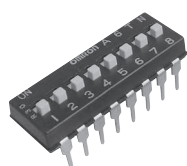
Dimensions of PCB pad (Top View)



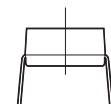
1 pole type

## Raised actuator

A6TN-□104



Raised actuator

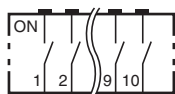


Flat actuator

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

## Internal Connections

(Top View)



# Precautions

## Correct Use

### Soldering

- Set the Switch to OFF before soldering.
- Automatic Soldering Bath:
  - Soldering temperature 265 °C max.
  - Soldering time 8 s max.
- Manual Soldering:
  - Soldering temperature : 400 °C max. at the tip of the soldering iron.
  - Soldering time : 4 s max.

### Washing

Apply alcohol-based solvents to clean.  
 Do not apply water or any other agents to clean, as such agents may degrade the materials or performance of the Switch.

### Environment for Storage and Use

To prevent discoloration of the terminals and other problems during storage, do not store the A6TN in locations subject to the following conditions.

- High temperatures or humidity/Corrosive gases
- Direct sunlight/Contact with water



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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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Specifications subject to change without notice

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