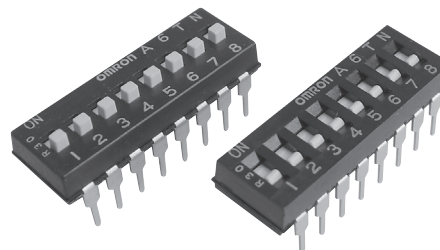


DIP Switch A6TN

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

Switching capacity		25 mA at 24 VDC
Minimum permissible load		10 μ A at 3.5 VDC
Contact resistance		200 m Ω max.
Insulation resistance		100 M Ω min. (at 100 VDC)
Dielectric strength		300 VAC for 1 min between terminals
Operating force		100 to 806 gf (0.98 to 7.9 N)
Vibration resistance	Malfunction Durability	10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction Durability	490 m/s ² min. (approx. 49.9G min.)
Service life	Electrical	1,000 operations min.
Ambient operating temperature		–30 to 85°C at 60% RH max. (with no icing or condensation)
Ambient operating humidity		35% to 95% (at 5 to 35°C)
Weight		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)

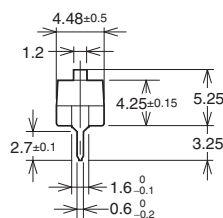
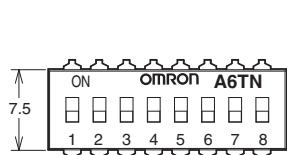
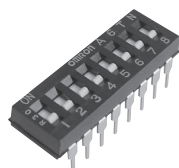
Note: Data shown are of initial value

Dimensions

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

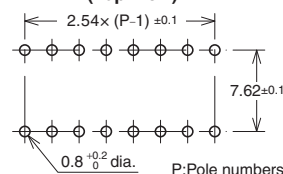
Flat actuator

A6TN-□101



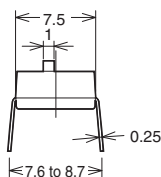
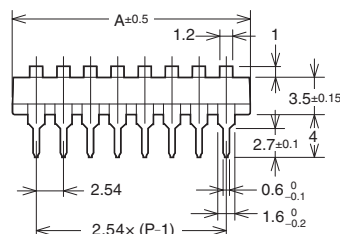
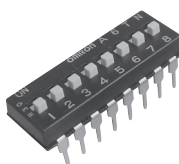
1 pole type

Dimensions of PCB pad (Top View)

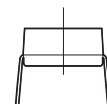


Raised actuator

A6TN-□104



Raised actuator

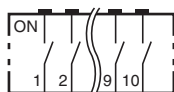


Flat actuator

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

All sales are subject to Omron Electronic Components LLC standard terms and conditions of sale, which can be found at http://www.components.omron.com/components/web/webfiles.nsf/sales_terms.html

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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