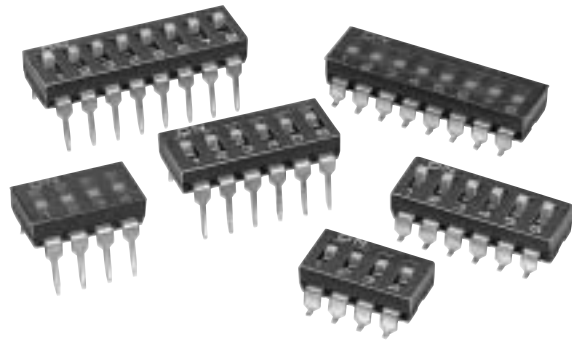


DIP Switch (Slide Type)

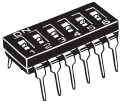
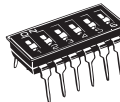
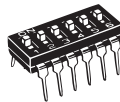
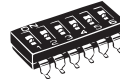
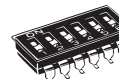
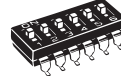
A6T/A6S

Low-cost DIP Switch with Slide Pins

- Designed to DIP (Dual Inline Package) standards and allows automatic mounting with IC insertion machines.
- Washable models with seal tape available.
- SMT (surface-mounted terminal) models available with embossed taping specifications (units of 900).
- Gold-plated twin contacts and a slide-type, self-cleaning mechanism ensure high reliability.



Ordering Information

Type (striker color)		Flat actuator (Yellow)		Raised actuator (Yellow)	Type (striker color)		Flat actuator (Yellow)		Raised actuator (Yellow) (See note 2.)	
		Standard	With seal tape				Standard	With seal tape		
No. of poles	Quantity per stick	DIP terminal	DIP terminal	DIP terminal	No. of poles	Quantity per stick	SMT terminal	SMT terminal	SMT terminal	
										
							Per stick	Per embossed tape (units of 900) (See note 1.)		
1	130	A6T-1101	A6T-1102	A6T-1104	1	---	---	---	---	
2	76	A6T-2101	A6T-2102	A6T-2104	2	76	A6S-2101	A6S-2102	---	A6S-2104
3	55	A6T-3101	A6T-3102	A6T-3104	3	55	A6S-3101	A6S-3102	---	A6S-3104
4	42	A6T-4101	A6T-4102	A6T-4104	4	42	A6S-4101	A6S-4102	A6S-4102-P	A6S-4104
5	35	A6T-5101	A6T-5102	A6T-5104	5	35	A6S-5101	A6S-5102	---	A6S-5105
6	28	A6T-6101	A6T-6102	A6T-6104	6	28	A6S-6101	A6S-6102	A6S-6102-P	A6S-6104
7	25	A6T-7101	A6T-7102	A6T-7104	7	25	A6S-7101	A6S-7102	---	A6S-7104
8	22	A6T-8101	A6T-8102	A6T-8104	8	22	A6S-8101	A6S-8102	A6S-8102-P	A6S-8104
9	20	A6T-9101	A6T-9102	A6T-9104	9	20	A6S-9101	A6S-9102	---	A6S-9104
10	18	A6T-0101	A6T-0102	A6T-0104	10	18	A6S-0101	A6S-0102	A6S-0102-P	A6S-0104

- Note:**
1. Switches are packaged in units of 900. Orders must be made in multiples of 900. Switches are not sold individually.
 2. Raised actuators on embossed tape must be requested separately because orders can vary by such factors as units per order.

Specifications

■ Ratings/Characteristics

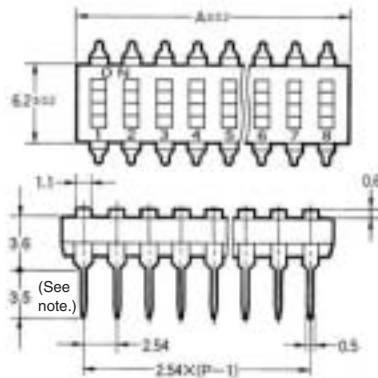
Switching capacity	25 mA at 24 VDC 10 μA (minimum current) at 3.5 VDC
Ambient temperature	Operating: -20°C to 70°C (with no icing)
Ambient humidity	Operating: 35% to 90%
Insulation resistance	100 MΩ min. (at 250 VDC)
Contact resistance	200 mΩ max. (initial value)
Dielectric strength	500 VAC for 1 min between terminals of the same polarity, and between terminals of different polarity
Vibration resistance	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction: 300 m/s ² min.
Life expectancy	Mechanical: 1,000 operations min. Electrical: 1,000 operations min.
Operating force	Flat/raised type 0.29 N min. {30 gf}
Weight	A6T: 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) A6S: 0.25 g (2 poles), 0.41 g (4 poles), 0.58 g (6 poles), 0.73 g (8 poles), 0.87 g (10 poles)

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 with DIP Terminal Standard/With Seal Tape

A6T-□101
A6T-□102



Note: Terminal length decreased from 4.3 mm to 3.5 mm as of May 2003.

Flat Actuator Standard

With Seal Tape
Seal tape (t = 0.06)

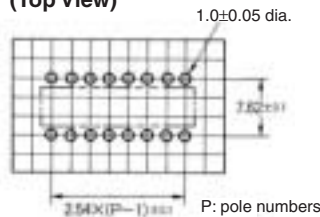
Raised Actuator



Raised Actuator with DIP Terminal A6T-□104



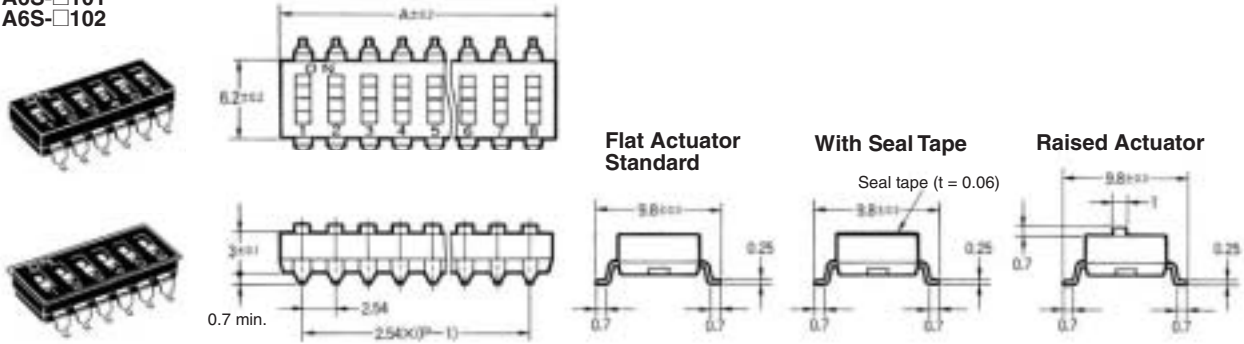
PCB Dimensions (Top View)



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

**Flat Actuator with SMT Terminal
Standard/With Seal Tape**

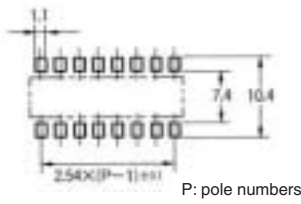
A6S-□101
A6S-□102



**Raised Actuator
with SMT Terminal**
A6S-□104



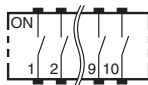
**PCB Dimensions
(Top View)**



No. of poles	Model			Dimension A
	A6S-2101	A6S-2102	A6S-2104	
2	A6S-2101	A6S-2102	A6S-2104	6.02
3	A6S-3101	A6S-3102	A6S-3104	8.56
4	A6S-4101	A6S-4102	A6S-4104	11.10
5	A6S-5101	A6S-5102	A6S-5104	13.64
6	A6S-6101	A6S-6102	A6S-6104	16.18
7	A6S-7101	A6S-7102	A6S-7104	18.72
8	A6S-8101	A6S-8102	A6S-8104	21.26
9	A6S-9101	A6S-9102	A6S-9104	23.80
10	A6S-0101	A6S-0102	A6S-0104	26.34

Installation

Internal Connections (Top View)



Precautions

Be sure to refer to General Precautions on pages 4 to 6 for details on proper use.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.
To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.