



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

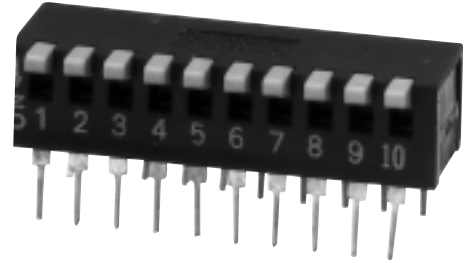
Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Space-saving, Subminiature Dip Switch Offers Both Sealed and Unsealed Construction

- Completely sealed units allow immersion-cleaning without taping
- Designed to standards of DIL-IC; top actuated types are auto insertable
- Bifurcated movable contacts
- Subminiature size to save space by reducing the volume to 41% and mounting surface to 67% of conventional type
- Smooth, sure switching action



Ordering Information

Type	No. of pins	Part Number		
		Top actuated	Raised actuator	Side actuated
Sealed	2	A6D-2100	A6D-2103	A6DR-2100
	4	A6D-4100	A6D-4103	A6DR-4100
	6	A6D-6100	A6D-6103	A6DR-6100
	8	A6D-8100	A6D-8103	A6DR-8100
	10	A6D-0100	A6D-0103	A6DR-0100
Unsealed	4	A6D-4101	–	–
	6	A6D-6101	–	–
	8	A6D-8101	–	–

Characteristics

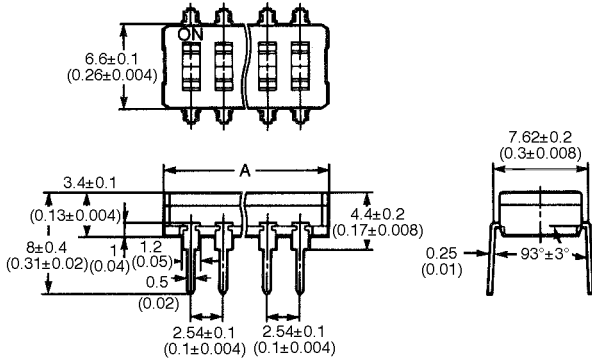
Switching capacity		100 mA, 5 VDC; 30 mA, 30 VDC
Permissible load		10 μ A, 3.5 VDC min.
Carry current		100 mA max.
Contact resistance		100 M Ω max.
Insulation resistance		100 M Ω min. (at 250 VDC)
Dielectric strength		500 VAC for 1 minute
Operating force		A6D: 500 g max., A6DR: 500 g max.
Vibration	Malfunction durability	10 to 55 Hz, 1.5 mm double amplitude
Shock	Malfunction durability	Approx. 300 m/s ² (30 G)
Materials	Base/Cover	PBT (Polybutylene terephthalate)
	Actuator	PPT (Polyphenylene terephthalate)
	Internal seal	Acryl nitril butadiene rubber
	Movable contact	Beryllium copper
	Terminal	42-alloy plate (nickel-iron alloy)
Ambient temperature	Operating	-20° to 70°C
Humidity		35% to 90% RH
Service life	Mechanical	5,000 operations min.
	Electrical	2,000 operations min.
Weight	A6D (Top actuated)	2-pin: 0.25 g, 3-pin: 0.35 g, 4-pin: 0.45 g, 5-pin: 0.55 g, 6-pin: 0.65 g, 7-pin: 0.75 g, 8-pin: 0.80 g, 9-pin: 0.90 g, 10-pin: 1.0 g
	A6DR (Side actuated)	2-pin: 0.4 g, 4-pin: 0.8 g, 6-pin: 1.2 g, 8-pin: 1.7 g, 10-pin: 2.2 g,

Note: Data shown are of initial value.

Dimensions

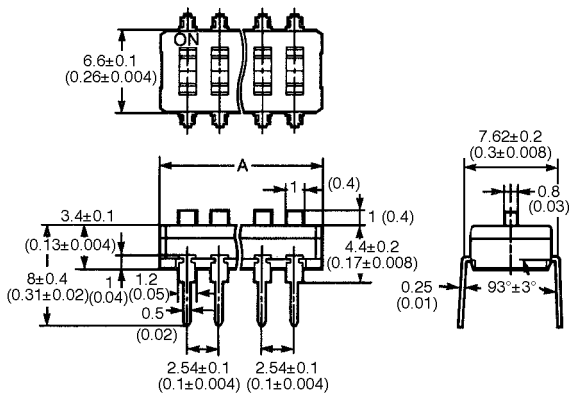
Unit: mm (inch)

A6D-□100 (top actuated type)



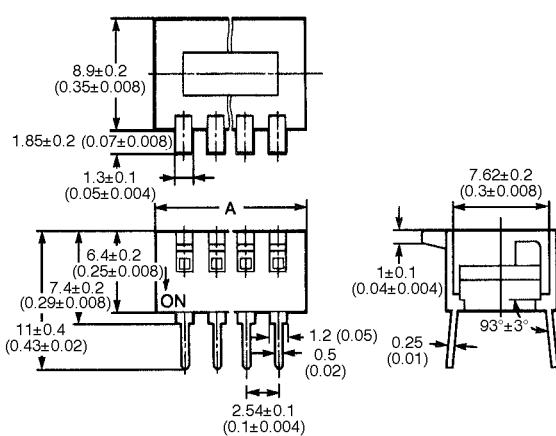
No. of pins	Sealed model	Unsealed model	Dimensions A ± 0.2 (0.008)
2	A6D-2100	—	7.1 (0.28)
3	A6D-3100	—	9.7 (0.38)
4	A6D-4100	A6D-4101	12.2 (0.48)
5	A6D-5100	—	14.7 (0.58)
6	A6D-6100	A6D-6101	17.3 (0.68)
7	A6D-7100	—	19.8 (0.78)
8	A6D-8100	A6D-8101	22.4 (0.88)
9	A6D-9100	—	24.9 (0.98)
10	A6D-0100	—	27.4 (1.08)

A6D-□103 (raised actuator type)



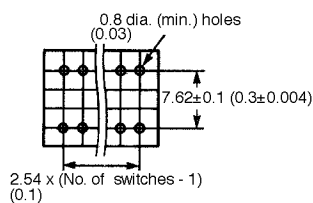
Model	Dimensions A ± 0.2 (0.008)
A6D-2103	7.1 (0.28)
A6D-3103	9.7 (0.38)
A6D-4103	12.2 (0.48)
A6D-5103	14.7 (0.58)
A6D-6103	17.3 (0.68)
A6D-7103	19.8 (0.78)
A6D-8103	22.4 (0.88)
A6D-9103	24.9 (0.98)
A6D-0103	27.4 (1.08)

A6DR-□100 (side actuated type)

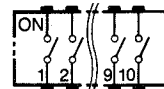


Model	Dimensions A ± 0.2 (0.008)
A6DR-2100	7.1 (0.28)
A6DR-4100	12.2 (0.48)
A6DR-6100	17.3 (0.68)
A6DR-8100	22.4 (0.88)
A6DR-0100	27.4 (1.08)

Internal connections (top view)



Mounting holes (bottom view)



Note: Unless otherwise specified, a tolerance of ±0.4 mm applies to all dimensions.

OMRON

OMRON ELECTRONICS, INC.

One East Commerce Drive
Schaumburg, IL 60173
1-800-55-OMRON

OMRON CANADA, INC.

885 Milner Avenue
Scarborough, Ontario M1B 5V8
416-286-6465