

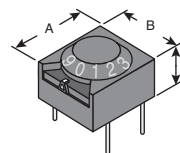
# OMRON DIP Switches



## OMRON A6A SERIES: SUBMINIATURE DIP SWITCH FOR HIGH-DENSITY PACKAGING

### Specifications:

- Subminiature size (10 x 10 x 7.5 mm), ideal for high-density packaging
- Completely sealed construction prevents flux entry during automatic flow soldering
- BCD and hexadecimal types available (each complement type also available)
- Position switching operation possible with a turn of a screwdriver from either top and side; the screwdriver slot on the top can rotate in either direction for desired setting



RoHS Compliant

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Omron Part No.	Output Code Type	Number of Positions	Type	Shaft Dimensions mm	Dimensions: mm			Price Each			
						A	B	C	1	25	50	100
653-A6A-10C	A6A-10C	BCD 1-2-4-8	10	Standard	7.3	10	10	5.9	5.30	4.85	4.60	4.08
653-A6A-10CW	A6A-10CW	BCD 1-2-4-8 complement only	10	Thumbwheel	7.3	10	10	5.9	6.10	5.79	5.16	5.01
653-A6A-10R	A6A-10R	BCD 1-2-4-8	10	Standard	7.3	10	10	5.9	4.20	4.06	3.79	3.67
653-A6A-10RS	A6A-10RS	BCD 1-2-4-8	10	Extended Shaft	7.3	10	10	5.9	5.22	4.65	4.51	4.29
653-A6A-10RW	A6A-10RW	BCD 1-2-4-8 complement only	10	Thumbwheel	7.3	10	10	5.9	5.15	5.00	4.75	4.43
653-A6A-16R	A6A-16R	Hexidecimal 1-2-4-8	16	Standard	7.3	10	10	5.9	4.30	4.24	3.95	3.81
653-A6A-16RS	A6A-16RS	BCD 1-2-4-8	16	Extended Shaft	7.3	10	10	5.9	4.90	4.82	4.49	4.35
653-A6A-16RW	A6A-16RW	Hexidecimal 1-2-4-8	16	Thumbwheel	7.3	10	10	5.9	5.31	5.15	4.90	4.57

## OMRON A6H SERIES: HALF-PITCH SURFACE MOUNT DIP SWITCHES

### Specifications:

- Mechanical and Electrical life: 1,000 operations min.
- Dielectric strength: 300 VAC
- Operating force: 30gf
- Switching capacity: 25mA @ 24 VDC

### Features:

- Ultra-low profile of 1.55mm
- Reduced mounting space



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### With Seal Tape

MOUSER STOCK NO.	Omron Part No.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6H-4102	A6H-4102	4	6.31	1.71	1.57	1.49	1.32
653-A6H-8102	A6H-8102	8	11.39	2.23	2.05	1.94	1.73
653-A6H-0102	A6H-0102	10	13.93	2.92	2.71	2.56	2.41



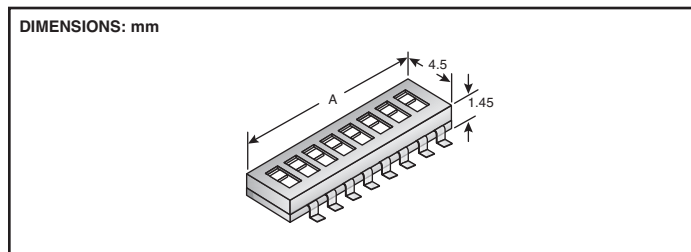
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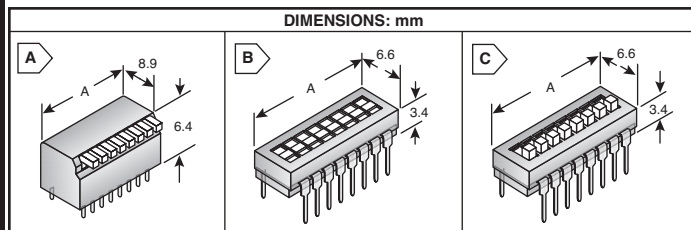
### Standard Type

MOUSER STOCK NO.	Omron Part No.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
653-A6H-4101	A6H-4101	4	6.31	1.65	1.55	1.51	1.44
653-A6H-6101	A6H-6101	6	8.85	1.83	1.67	1.59	1.41
653-A6H-8101	A6H-8101	8	11.39	2.45	2.25	2.04	1.84
653-A6H-0101	A6H-0101	10	13.93	2.56	2.28	2.20	1.96

Omron



## OMRON A6D SERIES: SUBMINIATURE DIP SWITCH



### Specifications:

- Housing/Actuator: PBT (Polybutylene terephthalate)
- Movable contact: Beryllium copper
- Terminal: Nickel-iron alloy
- Switching capacity: 100mA, 5 VDC; 30mA, 30 VDC
- Operating force: 500 g max.
- Dielectric strength: 500 VAC
- Mechanical life: 5,000 operations min.
- Electrical life: 2,000 operations min.

### Features:

- Internal rubber seal allows immersion-cleaning without taping
- Bifurcated movable contacts
- Smooth, sure switching action

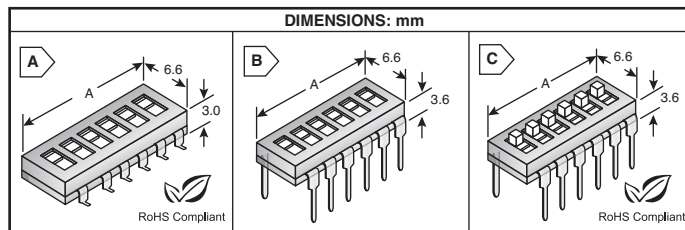


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For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
<b>Side Actuated</b>							
653-A6DR-2100	A	2	7.1	2.73	2.44	2.36	2.24
653-A6DR-4100	A	4	12.2	2.80	2.50	2.43	2.30
653-A6DR-6100	A	6	17.3	3.21	2.86	2.77	2.64
<b>Flat Actuated</b>							
653-A6D-4100	B	4	12.2	2.09	1.98	1.77	1.71
653-A6D-6100	B	6	17.3	2.72	2.45	2.17	1.96
653-A6D-8100	B	8	22.4	2.46	2.33	2.08	2.02
<b>Raised Actuator</b>							
653-A6D-2103	C	2	7.1	2.33	2.09	1.86	1.67
653-A6D-4103	C	4	12.2	2.41	2.21	2.05	1.85
653-A6D-8103	C	8	22.4	2.72	2.58	2.30	2.23
653-A6D-0103	C	10	27.4	3.35	3.05	2.90	2.75

## OMRON A6S & A6T SERIES: DIP SWITCHES WITH SLIDE PINS



### Specifications:

- Switching capacity: 25mA, 24 VDC
- Contact resistance: 200m max. (initial value)
- Insulation resistance: 100M max. (initial value)
- Operating force: 30 gf
- Dielectric strength: 500 VAC
- Mechanical life: 1,000 operations min.
- Electrical life: 1,000 operations min.
- Actuator material: Polyamide resin in white

### Features:

- Allows automatic mounting with DIP IC insertion machines
- Flat actuated switches are tape sealed
- Can withstand peak reflow solder temperatures of up to 260°C

For quantities of 500 and up, call for quote.

MOUSER STOCK NO.	Fig.	Number of Positions	Dimension A (mm)	Price Each			
				1	25	50	100
<b>SMT Flat Actuated</b>							
653-A6S-2102-H	A	2	6.02	1.12	1.01	.90	.812
653-A6S-4102-H	A	4	11.10	1.19	1.06	.94	.853
653-A6S-6102-H	A	6	16.18	1.39	1.24	1.10	.997
653-A6S-8102-H	A	8	21.26	1.66	1.35	1.20	1.12
<b>Flat Actuated Standard</b>							
653-A6T-2102	B	2	6.02	.97	.89	.84	.80
653-A6T-4102	B	4	11.10	1.06	.94	.87	.81
653-A6T-6102	B	6	16.18	1.20	1.10	1.04	.93
653-A6T-8102	B	8	21.26	1.51	1.43	1.39	1.32
653-A6T-0102	B	10	26.34	1.70	1.61	1.43	1.29
<b>Raised Actuator</b>							
653-A6T-2104	C	2	6.02	.86	.79	.74	.69
653-A6T-4104	C	4	11.10	.96	.88	.82	.79
653-A6T-6104	C	6	16.18	.94	.88	.86	.82
653-A6T-8104	C	8	21.26	1.42	1.30	1.21	1.15
653-A6T-0104	C	10	26.34	1.60	1.59	1.41	1.27

