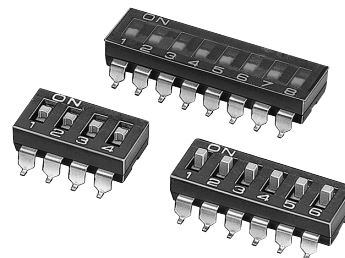


DIP Switch A6S-H

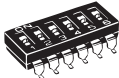
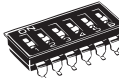
A6S Model Upgraded to Surface-mounting Type with Increased Solder Heat Resistance

- Designed to enable replacement of previous (A6S) model, featuring the same dimensions and improved solder heat resistance (peak solder temperature: 260°C).
- Gold-plated twin contacts and a slide-type, self-cleaning mechanism ensure high reliability.
- Washable models with seal tape available.
- Embossed taping models available for automatic mounting. SQ reel (small reel) also available.
- RoHS Compliant.



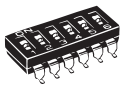
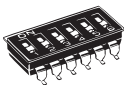
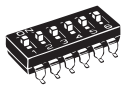
Ordering Information

■ Models in Stick Packages

| No. of poles | Quantity per tube | Flat | | Raised |
|--------------|-------------------|--|---|------------|
| | | Standard | With seal tape | |
| | |  |  | |
| 1 | 130 | A6S-1101-H | A6S-1102-H | A6S-1104-H |
| 2 | 76 | A6S-2101-H | A6S-2102-H | A6S-2104-H |
| 3 | 55 | A6S-3101-H | A6S-3102-H | A6S-3104-H |
| 4 | 42 | A6S-4101-H | A6S-4102-H | A6S-4104-H |
| 5 | 35 | A6S-5101-H | A6S-5102-H | A6S-5104-H |
| 6 | 28 | A6S-6101-H | A6S-6102-H | A6S-6104-H |
| 7 | 25 | A6S-7101-H | A6S-7102-H | A6S-7104-H |
| 8 | 22 | A6S-8101-H | A6S-8102-H | A6S-8104-H |
| 9 | 20 | A6S-9101-H | A6S-9102-H | A6S-9104-H |
| 10 | 10 | A6S-0101-H | A6S-0102-H | A6S-0104-H |


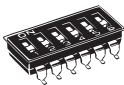

Note: 1) Orders must be made in integral multiples of the quantities given for each stick.
2) Switches cannot be water washed.

■ Models in Embossed Taping Packages (Standard Packing)

| No. of poles | Flat | | | | Raised | |
|--------------|---|-------------------|---|-------------------|---|-------------------|
| | Standard | | With seal tape | | | |
| |  | |  | |  | |
| | | Quantity per reel | | Quantity per reel | | Quantity per reel |
| 1 | A6S-1101-PH | 800 | A6S-1102-PH | 800 | A6S-1104-PH | 800 |
| 2 | A6S-2101-PH | 900 | A6S-2102-PH | 900 | A6S-2104-PH | 700 |
| 3 | A6S-3101-PH | | --- | | --- | |
| 4 | A6S-4101-PH | | A6S-4102-PH | | A6S-4104-PH | 700 |
| 5 | --- | | A6S-5102-PH | | A6S-5104-PH | 800 |
| 6 | --- | | A6S-6102-PH | | A6S-6104-PH | 700 |
| 7 | A6S-7101-PH | | A6S-7102-PH | | --- | --- |
| 8 | A6S-8101-PH | | A6S-8102-PH | | A6S-8104-PH | 700 |
| 9 | --- | | A6S-9102-PH | | --- | --- |
| 10 | --- | | A6S-0102-PH | | --- | --- |

Note: 1) Orders must be made in integral multiples of the quantities given for each package. Switches are not sold individually.
2) Switches cannot be water washed.

■ Models in Embossed Taping Packages (Small Quantity Reel)

| No. of poles | Flat | | | | Raised | |
|--------------|---|-------------------|---|-------------------|---|-------------------|
| | Standard | | With seal tape | | | |
| |  | |  | |  | |
| | | Quantity per reel | | Quantity per reel | | Quantity per reel |
| 2 | --- | 400 | A6S-2102-PMH | 400 | --- | 400 |
| 3 | A6S-3101-PMH | | --- | | | |
| 4 | A6S-4101-PMH | | A6S-4102-PMH | | A6S-4104-PMH | |
| 6 | A6S-6101-PMH | | A6S-6102-PMH | | A6S-6104-PMH | |
| 8 | A6S-8101-PMH | | A6S-8102-PMH | | A6S-8104-PMH | |
| 10 | A6S-0101-PMH | | A6S-0102-PMH | | A6S-0104-PMH | |

Note: 1) Orders must be made in integral multiples of the quantities given for each package. Switches are not sold individually.
2) Switches cannot be water washed.

Specifications

■ Ratings/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 250 VDC) |
| Dielectric strength | | 500 VAC for 1 min. between terminals |
| Operating force | | 30 to 1,000 gf (0.3 to 9.8 N) |
| Vibration resistance | Malfunction durability | 10 to 55 Hz, 1.5-mm double amplitude |
| Shock resistance | Malfunction durability | 300 m/s ² min. (Approx. 30G min.) |
| Life expectancy | Mechanical | 1,000 operations min. |
| | Electrical | 1,000 operations min. |
| Ambient operating temperature | | -20°C to 70°C at 60% R.H. max. (with no icing or condensation) |
| Ambient operating humidity | | 35% to 90% (at 5 to 35°C) |
| Weight | | 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) |

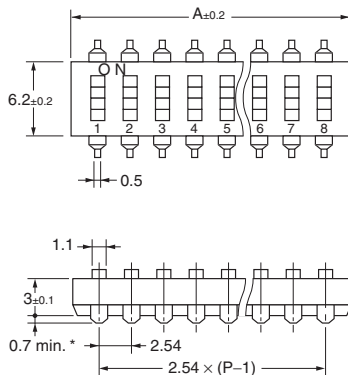
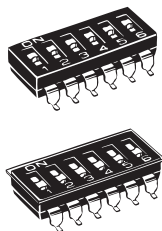
Note: Data shown are of initial value

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.

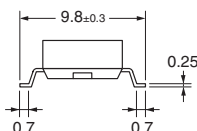
Flat Actuator with SMT Terminal Standard/With Seal Tape

A6S-□101-H
 A6S-□102-H

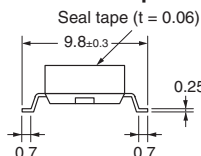


* One terminal is 0 to 0.15 mm

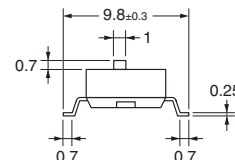
Flat Actuator
Standard



Flat Actuator
With Seal Tape

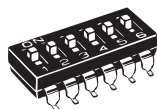


Raised Actuator



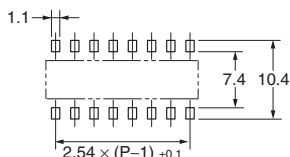
Raised Actuator with SMT Terminal

A6S-□104-H



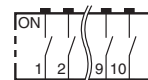
| No. of poles | Model | | | Dimension A |
|--------------|---------------|----------------|-----------------|-------------|
| | Flat Actuator | | Raised Actuator | |
| | Standard | With Seal Tape | | |
| 1 | A6S-1101-H | A6S-1102-H | A6S-1104-H | 3.48 |
| 2 | A6S-2101-H | A6S-2102-H | A6S-2104-H | 6.02 |
| 3 | A6S-3101-H | A6S-3102-H | A6S-3104-H | 8.56 |
| 4 | A6S-4101-H | A6S-4102-H | A6S-4104-H | 11.10 |
| 5 | A6S-5101-H | A6S-5102-H | A6S-5104-H | 13.64 |
| 6 | A6S-6101-H | A6S-6102-H | A6S-6104-H | 16.18 |
| 7 | A6S-7101-H | A6S-7102-H | A6S-7104-H | 18.72 |
| 8 | A6S-8101-H | A6S-8102-H | A6S-8104-H | 21.26 |
| 9 | A6S-9101-H | A6S-9102-H | A6S-9104-H | 23.80 |
| 10 | A6S-0101-H | A6S-0102-H | A6S-0104-H | 26.34 |

Mounting pads
(top view)



P: pole numbers

Internal connections
(top view)



MEMO

A large grid of dashed lines for writing notes, consisting of 20 columns and 30 rows of squares.

Omron Electronic Components, LLC

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- Definitions:** The words used herein are defined as follows.
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 - Products:** Products and/or services of Seller
 - Including:** Including without limitation
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 - (ii) Energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
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To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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