

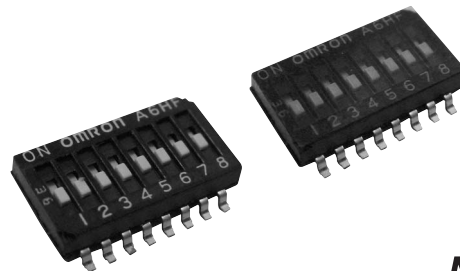
## Slide DIP Switch (SMT Half-pitch)

## A6HF

Half-pitch DIP Switch with a height of 2.3-mm.

- Gold-plated twin contacts ensures high reliability.
- Embossed tapping models available for automatic mounting. (small reel also available)
- Improved solder heat resistance (reflow peak solder temperature: 260 °C).

RoHS Compliant



**NEW**

### List of Models

| Type and color of actuator | Slide actuator (White)                                                             |                 |                   |             |                   |              |
|----------------------------|------------------------------------------------------------------------------------|-----------------|-------------------|-------------|-------------------|--------------|
|                            | Tube packaging                                                                     | Embossed taping |                   |             |                   |              |
|                            |                                                                                    | Standard reel   |                   | Small reel  |                   |              |
|                            |  |                 |                   |             |                   |              |
| No. of poles               | Quantity per tube                                                                  |                 | Quantity per reel |             | Quantity per reel |              |
| 2                          | 125                                                                                | A6HF-2102       | 2,000             | A6HF-2102-P | 500               | A6HF-2102-PM |
| 4                          | 70                                                                                 | A6HF-4102       |                   | A6HF-4102-P |                   | A6HF-4102-PM |
| 6                          | 50                                                                                 | A6HF-6102       |                   | A6HF-6102-P |                   | A6HF-6102-PM |
| 8                          | 40                                                                                 | A6HF-8102       |                   | A6HF-8102-P |                   | A6HF-8102-PM |
| 10                         | 30                                                                                 | A6HF-0102       |                   | A6HF-0102-P |                   | A6HF-0102-PM |

**Note:** Order in multiples of the package quantity.

### Ratings/Characteristics

|                                      |                          |                                                                                  |
|--------------------------------------|--------------------------|----------------------------------------------------------------------------------|
| <b>Ratings</b>                       |                          | 25 mA at 24 VDC, 10 $\mu$ A (minimum current) at 3.5 VDC                         |
| <b>Ambient operating temperature</b> |                          | -30 to +85 °C at 60% max. (with no icing or condensation)                        |
| <b>Ambient operating humidity</b>    |                          | 35% to 95% (at +5 to +35 °C)                                                     |
| <b>Insulation resistance</b>         |                          | 100 M $\Omega$ min. (at 100 VDC)                                                 |
| <b>Contact resistance</b>            |                          | 200 m $\Omega$ max. (initial value)                                              |
| <b>Dielectric strength</b>           | <b>Between terminals</b> | 300 VAC for 1 min                                                                |
| <b>Vibration resistance</b>          | <b>Malfunction</b>       | 10 to 55 Hz, 1.5-mm double amplitude                                             |
| <b>Shock resistance</b>              | <b>Malfunction</b>       | 490 m/s <sup>2</sup> min.                                                        |
| <b>Durability</b>                    | <b>Electrical</b>        | 1,000 operations min.                                                            |
| <b>Operating force</b>               |                          | 0.29 to 4.9 N {30 to 500 gf}                                                     |
| <b>Weight</b>                        |                          | 0.08g (2 poles) 0.13g (4 poles) 0.19g (6 poles) 0.25 g (8 poles) 0.3g (10 poles) |

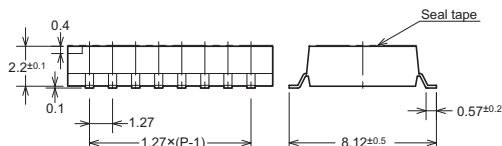
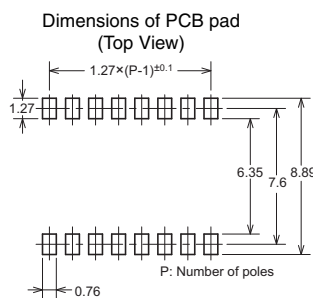
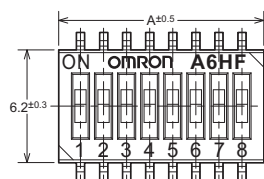
## ■ Dimensions (Unit: mm)

### Standard

A6HF-□102

A6HF-□102-P

A6HF-□102-PM

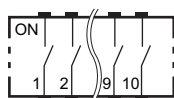


| No. of poles | Models    | A     |
|--------------|-----------|-------|
| 2            | A6HF-2102 | 3.67  |
| 4            | A6HF-4102 | 6.21  |
| 6            | A6HF-6102 | 8.75  |
| 8            | A6HF-8102 | 11.29 |
| 10           | A6HF-0102 | 13.83 |

**Note:** Unless otherwise specified, a tolerance of  $\pm 0.4$  mm applies to all dimensions.

## ■ Internal Connections

### Contact Form (Top View)



## ■ Precautions

Be sure to read the Safety precautions common to all DIP Switches for correct use.

- Application examples provided in this document are for reference only. In actual applications, confirm equipment functions and safety before using the product.
- Consult your OMRON representative before using the product under conditions which are not described in the manual or applying the product to nuclear control systems, railroad systems, aviation systems, vehicles, combustion systems, medical equipment, amusement machines, safety equipment, and other systems or equipment that may have a serious influence on lives and property if used improperly. Make sure that the ratings and performance characteristics of the product provide a margin of safety for the system or equipment, and be sure to provide the system or equipment with double safety mechanisms.

**Note:** Do not use this document to operate the Unit.

**OMRON Corporation**

ELECTRONIC AND MECHANICAL COMPONENTS COMPANY

Contact: [www.omron.com/ecb](http://www.omron.com/ecb)

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