

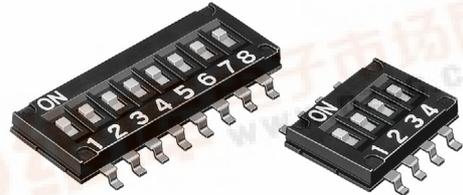


Half-pitch DIP Switch

A6H

Ultra-low Profile, Half-pitch, Surface-mounting DIP Switch

- Very low profile of 1.55 mm.
- Mounting space reduced by 63% (compared with conventional models).
- Washable, seal tape models available.
- Embossed taping models available. (SQ reel (small reel) also available)



RoHS Compliant (Refer to page 8 for details.)

Ordering Information

| Type | | Standard models | | Models with seal tape | | |
|--------------|--------------------|-----------------|--|-----------------------|-----------------|-------------|
| | | Stick models | Embossed taping Small reel (units of 500) (See note.) | Stick models | Embossed taping | |
| No. of poles | Quantity per stick | | | | | |
| | | | | | | |
| 4 | 75 | A6H-4101 | A6H-4101-PM | A6H-4102 | A6H-4102-P | A6H-4102-PM |
| 6 | 54 | A6H-6101 | A6H-6101-PM | A6H-6102 | A6H-6102-P | A6H-6102-PM |
| 8 | 40 | A6H-8101 | A6H-8101-PM | A6H-8102 | A6H-8102-P | A6H-8102-PM |
| 10 | 33 | A6H-0101 | A6H-0101-PM | A6H-0102 | A6H-0102-P | A6H-0102-PM |

Note: Embossed taping models are packaged in units of 500 or 4,000. Orders must be made in multiples of either 500 or 4,000. Switches are not sold individually.

Specifications

■ Ratings/Characteristics

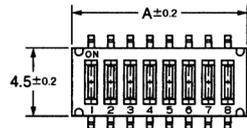
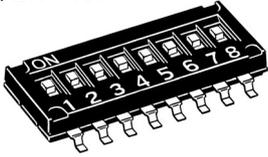
| | |
|------------------------------|--|
| Switching capacity | 25 mA at 24 VDC 10 μ A (minimum current) at 3.5 VDC |
| Ambient temperature | Operating: -20 to 70°C (with no icing or condensation) Storage: -40 to 80°C (with no icing or condensation) |
| Ambient humidity | Operating: 35% to 90% |
| Insulation resistance | 100 M Ω min. (at 250 VDC) |
| Contact resistance | 200 m Ω max. (initial value) |
| Dielectric strength | 300 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 | 0.29 to 4.9 N {30 to 500 gf} |
| Enclosure rating | Equivalent to IP40 |
| Weight | 0.09 g (4 poles) 0.12 g (6 poles) 0.15 g (8 poles) 0.18 g (10 poles) |

Dimensions

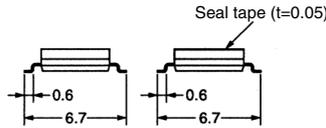
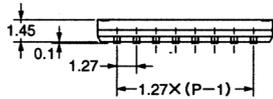
- Note:** 1. All units are in millimeters unless otherwise indicated.
 2. Unless otherwise specified, a tolerance of ± 0.4 mm applies to all dimensions.

Standard

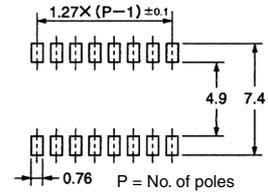
A6H-□101



Standard With seal tape

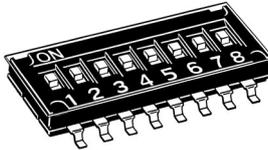


Dimensions of PCB pad (Top View)



With Seal Tape

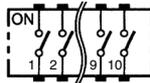
A6H-□102
A6H-□102-P



| No. of poles | Model | | Dimension A |
|--------------|----------|----------|-------------|
| 4 | A6H-4101 | A6H-4102 | 6.31 |
| 6 | A6H-6101 | A6H-6102 | 8.85 |
| 8 | A6H-8101 | A6H-8102 | 11.39 |
| 10 | A6H-0101 | A6H-0102 | 13.93 |

Installation

Internal Connections (Top View)



Precautions

Be sure to refer to General Precautions on pages 5 to 7 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.