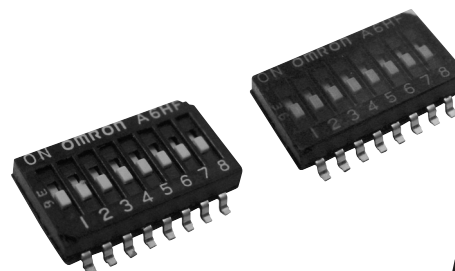


Half-pitch DIP Switch A6HF

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

- Gold-plated twin contacts will ensure high reliability.
- Embossed tapping models available for automatic mounting.
(small reel also available)
- Temperature-resistant resin allows at peak reflow temperatures of 260°C.
- Washable, seal tape models available.
- RoHS Compliant.



NEW

Ordering Information

Number of poles	Part Numbers			
	Tube Packaging		Embossed taping packaging	
				
		Quantity per tube		Quantity per reel
2	A6HF-2102	125	A6HF-2102-P	2,000
4	A6HF-4102	70	A6HF-4102-P	
6	A6HF-6102	50	A6HF-6102-P	
8	A6HF-8102	40	A6HF-8102-P	
10	A6HF-0102	30	A6HF-0102-P	

Note: 1. Small reels of 500 pieces are also available. Order "-PM" version instead of "-P".
2. Switches cannot be water washed.

Specifications

■ Characteristics

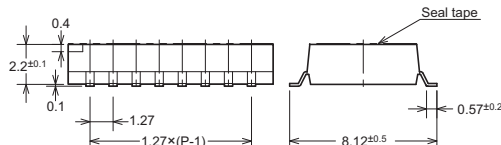
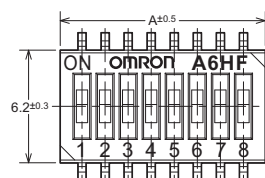
Switching Capacity		25 mA at 24 VDC
Minimum permissible load		10 μ A (minimum current) at 3.5 VDC
Contact resistance		200 m Ω max. (initial value)
Insulation resistance		100 M Ω min. (at 100 VDC)
Dielectric strength		300 VAC for 1 min between terminals
Operating force		29.5 to 500 gf (0.29 to 4.9 N)
Vibration resistance	Malfunction durability	10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction durability	490 m/s ² min.
Service life	Electrical	1,000 operations min.
Ambient operating temperature		-30 to 85°C at 60% RH max. (with no icing or condensation)
Ambient operating humidity		35% to 95% (at 5 to 35°C)
Weight		0.08g (2 poles), 0.13g (4 poles), 0.19g (6 poles), 0.25 g (8 poles), 0.3g (10 poles)

Note: Data shown are of initial value.

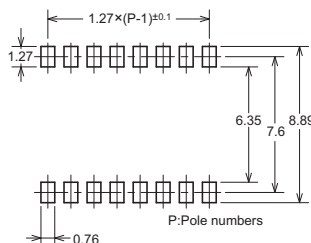
Dimensions

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

Standard A6HF-□102

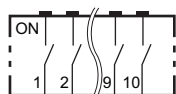


Dimensions of PCB pad
(Top View)



No. of poles	Models	Dimension 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

Internal Connections (Top View)

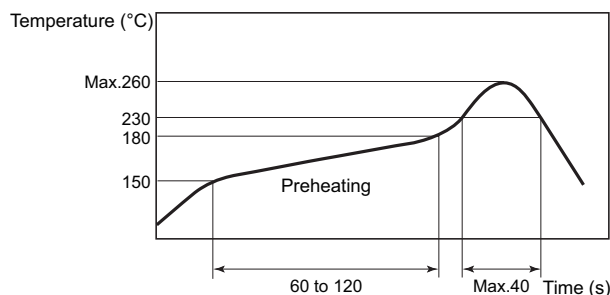


Precautions

Correct Use

Soldering

- Set the Switch to OFF before soldering.
- Observe the following conditions for reflow soldering.
(Measurement location: Top of Switch)

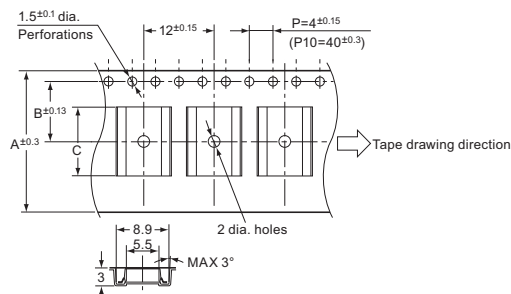


- Do not manually solder the switches.
- Subject the switches to a reflow solder process only once.

Washing

A6HF cannot be washed using ultrasonic cleaning. It is possible to wipe these models or dip them into alcohol based washing agents for one minute maximum.

Packing Specifications

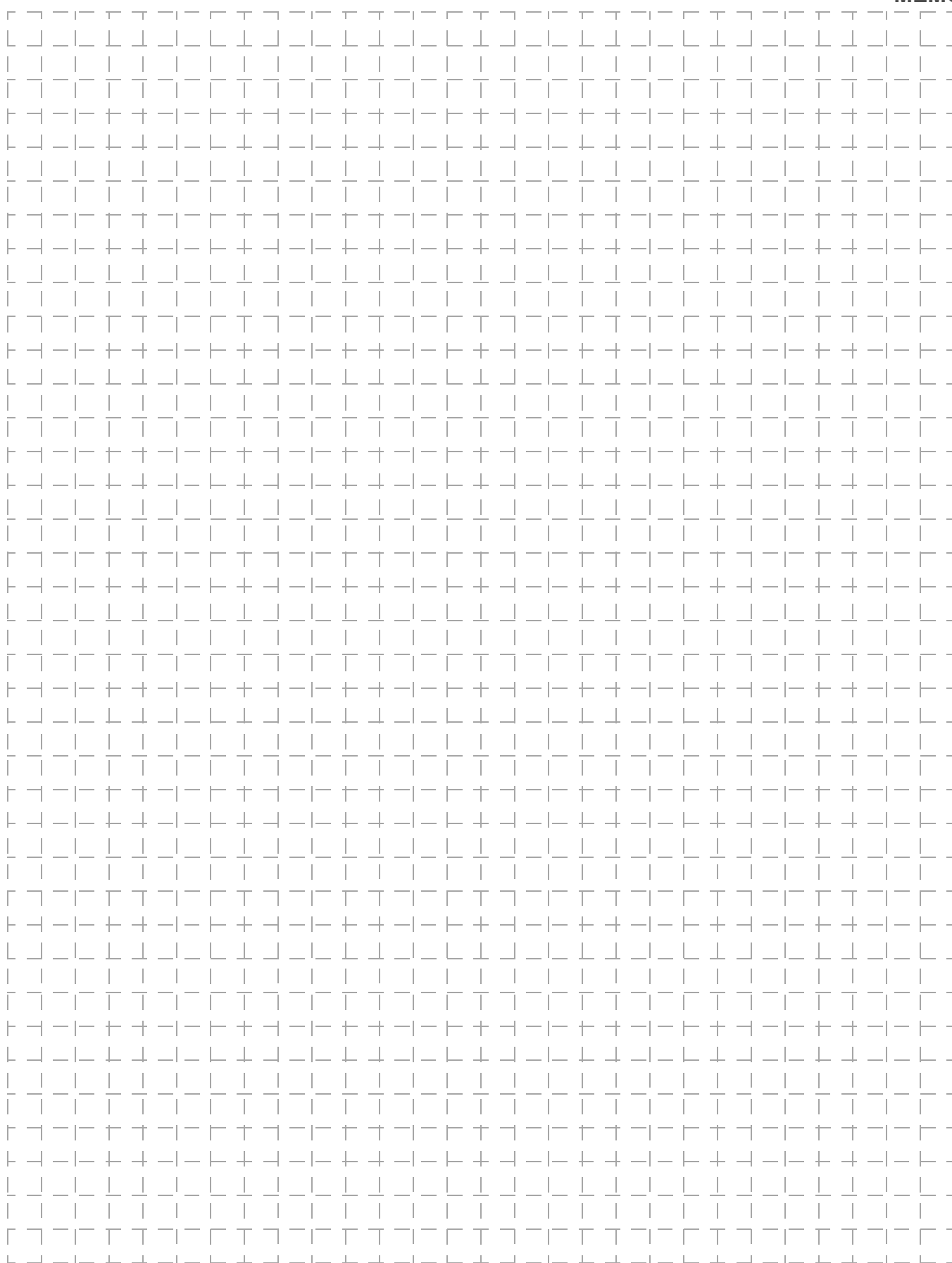


No. of poles	2	4	6	8	10
Dimension					
A ± 0.3	16	16	16	24	24
B ± 0.13	7.5	7.5	7.5	11.5	11.5
C	(4.45)	(7.0)	(9.55)	(12.1)	(14.6)

Environment for Storage and Use

To prevent discoloration of the terminals and other problems during storage, do not store the A6HF in locations subject to the following conditions.

- High temperatures or humidity/Corrosive gases
- Direct sunlight/Contact with water



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ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

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