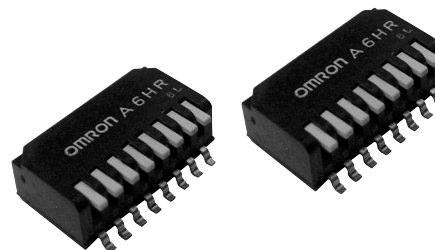


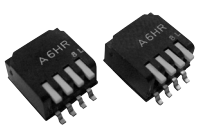
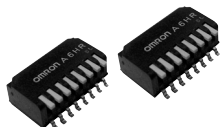
Half-pitch Piano DIP Switch A6HR

Piano type models available in Half-pitch.

- 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.


NEW

Ordering Information

	Part Number			
	Tube Packaging		Embossed tapping packaging	
				
Number of poles		Quantity per Tube		Quantity per reel
2	A6HR-2104	125	A6HR-2104-P	1,000
4	A6HR-4104	70	A6HR-4104-P	
6	A6HR-6104	50	A6HR-6104-P	
8	A6HR-8104	40	A6HR-8104-P	
10	A6HR-0104	30	A6HR-0104-P	

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

Specifications

■ Characteristics

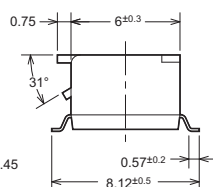
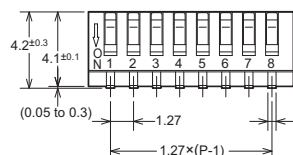
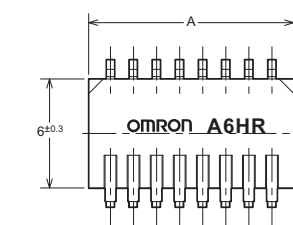
Switching Capacity		25 mA at 24 VDC
Minimum permissible load		10 μ A (minimum current) at 3.5 VDC
Contact resistance		200 m Ω max. (initial value)
Insulation resistance		100 M Ω min. (at 100 VDC)
Dielectric strength		300 VAC for 1 min between terminals
Operating force		29.5 to 500 gf (0.29 to 4.9 N)
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		0.13g (2 poles), 0.22g (4 poles), 0.3g (6 poles), 0.4g (8 poles), 0.48g (10 poles)

Note: Data shown are of initial value.

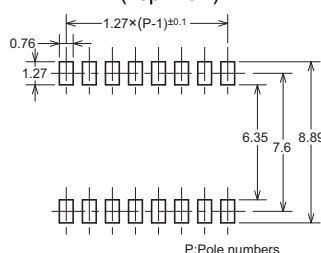
Dimensions

- 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 A6HR-□104



Dimensions of PCB pad
(Top View)



No. of poles	Models	Dimension A
2	A6HR-2104	3.67
4	A6HR-4104	6.21
6	A6HR-6104	8.75
8	A6HF-8102	11.29
10	A6HR-0104	13.83

Internal Connections (Top View)

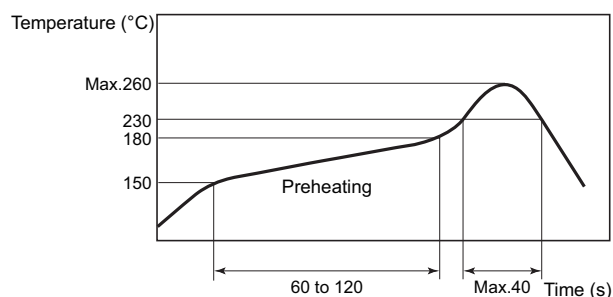


Precautions

Correct Use

Soldering

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

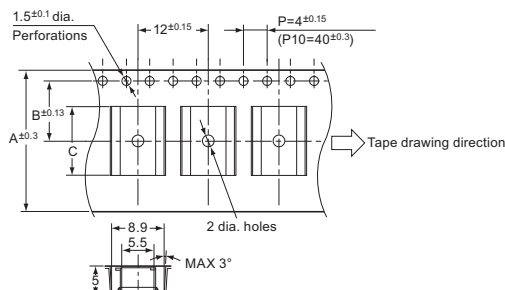


- Do not manually solder the switches.
- Subject the switches to a reflow solder process only once.

Washing

A6HR switches are non-washable models.

Packing Specifications

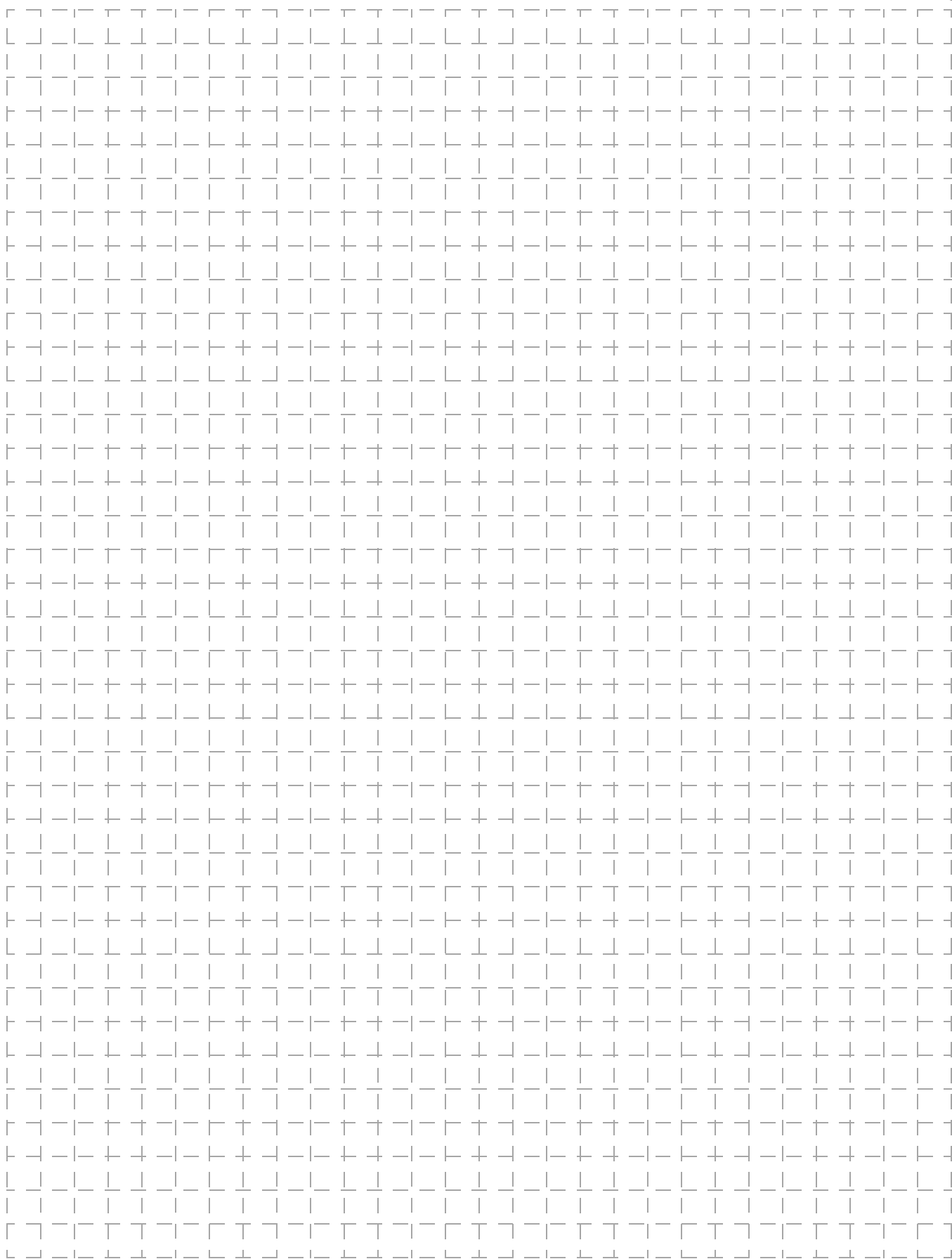


No. of poles	2	4	6	8	10
Dimension					
A ± 0.3	16	16	16	24	24
B ± 0.13	7.5	7.5	7.5	11.5	11.5
C	(4.45)	(7.0)	(9.55)	(12.1)	(14.6)

Environment for Storage and Use

To prevent discoloration of the terminals and other problems during storage, do not store the A6HR in locations subject to the following conditions.

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



All sales are subject to Omron Electronic Components LLC standard terms and conditions of sale, which can be found at http://www.components.omron.com/components/web/webfiles.nsf/sales_terms.html

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

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

OMRON[®]

**OMRON ELECTRONIC
COMPONENTS LLC**

55 E. Commerce Drive, Suite B
Schaumburg, IL 60173

847-882-2288

OMRON ON-LINE

Global - <http://www.omron.com>

USA - <http://www.components.omron.com>

Cat. No. A191-E-1

11/10

Specifications subject to change without notice

Printed in USA