

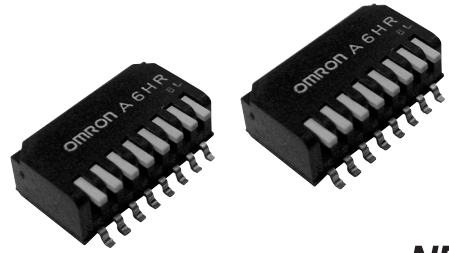
## Piano DIP Switch (SMT Half-pitch)

## A6HR

### Piano type models available in Half-pitch.

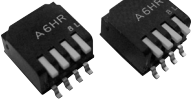



- Gold-plated twin contacts will ensure high reliability.
- Embossed taping models available for automatic mounting. (small reel also available)
- Temperature-resistant resin allows at peak reflow temperatures of 260 °C.

RoHS Compliant



**NEW**

## Ordering Information

Type and color of actuator	Piano type (white)					
	Tube packaging	Embossed taping				
		Standard reel		Small reel		
						
No. of poles	Quantity per tube		Quantity per reel		Quantity per reel	
2	125	<b>A6HR-2104</b>	1,000	<b>A6HR-2104-P</b>	500	<b>A6HR-2104-PM</b>
4	70	<b>A6HR-4104</b>		<b>A6HR-4104-P</b>		<b>A6HR-4104-PM</b>
6	50	<b>A6HR-6104</b>		<b>A6HR-6104-P</b>		<b>A6HR-6104-PM</b>
8	40	<b>A6HR-8104</b>		<b>A6HR-8104-P</b>		<b>A6HR-8104-PM</b>
10	30	<b>A6HR-0104</b>		<b>A6HR-0104-P</b>		<b>A6HR-0104-PM</b>

Note: Order in multiples of the package quantity.

## Specifications

### ■ Ratings/Characteristics

<b>Rating</b>	25 mA at 24 VDC, 10 μA (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 MΩ min. (at 100 VDC)
<b>Contact resistance</b>	200 mΩ max. (initial value)
<b>Dielectric strength</b>	300 VAC for 1 min between terminals
<b>Vibration resistance</b>	Malfunction: 10 to 55 Hz, 1.5-mm double amplitude
<b>Shock resistance</b>	Malfunction: 490 m/s <sup>2</sup> min.
<b>Durability</b>	Electrical: 1,000 operations min.
<b>Operating force (OFF to ON)</b>	0.29 to 4.9 N {30 to 500 gf} (2.45N {250 gf} max. ON to OFF)
<b>Weight</b>	0.13g (2 poles) 0.22g (4 poles) 0.3g (6 poles) 0.4g (8 poles) 0.48g (10 poles)

## Dimensions

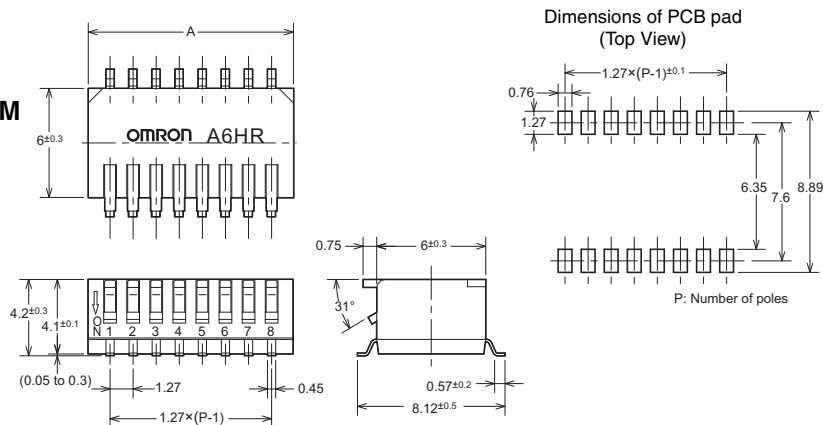
- Note:** 1. All units are in millimeters unless otherwise indicated.  
2. Unless otherwise specified, a tolerance of  $\pm 0.4$  mm applies to all dimensions.

### ■ Standard

A6HR-□104

A6HR-□104-P

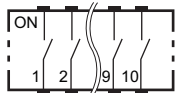
A6HR-□104-PM



No. of poles	Models	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

### ■ Contact Form (Top View)



## Precautions

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