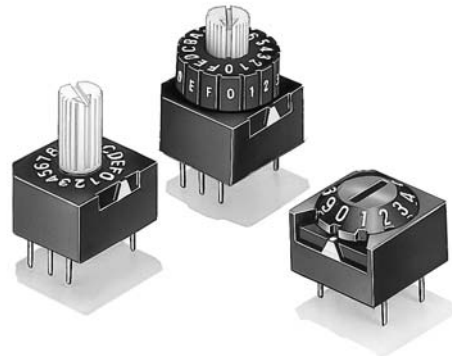


Rotary DIP Switch

A6A

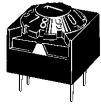
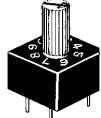
Sealed Rotary DIP Switch with Various selections for Code-setting.

- Top/Side-visible. Flat/Cone shaped/Extended-actuator models available.
- A slider lock and rotating PCB mechanism ensure stable contact reliability.
- Sealed structure equivalent to IP64 (IEC-60529) prevents flux penetration and provides high contact reliability even in dusty locations.



RoHS Compliant

List of Models

Type (actuation color)			Cone type (black)	Flat type (white)	Extended actuator wheel type (white)	Wheel type (White with Black Wheel)
No. of switching positions	Output code	Quantity per box				
10	BCD Decimal	100	A6A-10R	A6A-10RF	A6A-10RS	A6A-10RW
	BCD Decimal complement		A6A-10C	A6A-10CF	A6A-10CS	A6A-10CW
16	BCD Hexadecimal		A6A-16R	A6A-16RF	A6A-16RS	A6A-16RW
	BCD Hexadecimal complement		A6A-16C	A6A-16CF	A6A-16CS	A6A-16CW

Note: 1. Contact your OMRON sales representative to request special markings or designations.
2. Order in multiples of the package quantity.

Ratings/Characteristics

Rating (resistive load)		0.1 A at 28 VDC 1 mA (minimum current) at 5 VDC
Ambient operating temperature		-10 to +70°C 60%RH max. (with no icing or condensation)
Ambient operating humidity		45% to 85%RH (at +5 to +35°C)
Insulation resistance		10 MΩ min. (at 250 VDC with insulation tester)
Contact resistance (initial value)		200 mΩ max.
Dielectric strength	Between terminals	250 VAC for 1 min
Vibration resistance	Malfunction	10 to 55 Hz, 1.5-mm double amplitude
Shock resistance	Malfunction	300 m/s ² min.
Durability	Electrical	2,000 steps min.
Washing		Possible
Degree of protection		Internally sealed (IEC IP64)
Operating torque		1.18 to 2.45 × 10 ⁻² N·m {1.2 to 2.5 gf·m}
Weight		Cone: Approx. 0.8 g Flat: Approx. 0.7 g Extended actuator: Approx. 0.8g Wheel: Approx. 1.0g

Output Codes

10-position Models

Type	BCD Decimal code				BCD Decimal complement code			
	1	2	4	8	$\bar{1}$	$\bar{2}$	$\bar{4}$	$\bar{8}$
0					●	●	●	●
1	●					●	●	●
2		●			●		●	●
3	●	●					●	●
4			●		●	●		●
5	●		●			●		●
6		●	●		●			●
7	●	●	●					●
8				●	●	●	●	
9	●			●		●	●	

Note: "●" indicates that the internal switch is ON.

16-position Models

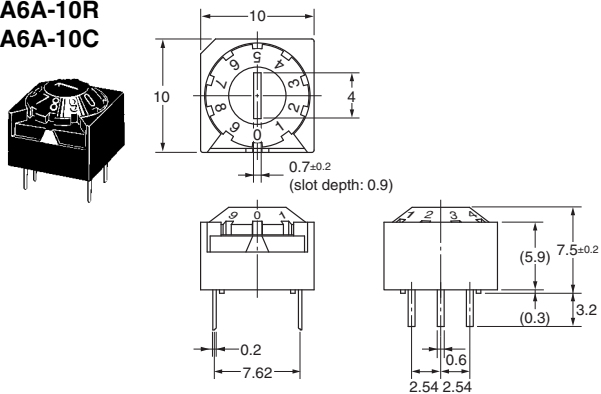
Type	BCD Hexadecimal code				BCD Hexadecimal complement code			
	1	2	4	8	$\bar{1}$	$\bar{2}$	$\bar{4}$	$\bar{8}$
0					●	●	●	●
1	●					●	●	●
2		●			●		●	●
3	●	●					●	●
4			●		●	●		●
5	●		●			●		●
6		●	●		●			●
7	●	●	●					●
8				●	●	●	●	
9	●			●		●	●	
A		●		●	●		●	
B	●	●		●			●	
C			●	●	●	●		
D	●		●	●		●		
E		●	●	●	●			
F	●	●	●	●				

Note: "●" indicates that the internal switch is ON.

Dimensions (Unit: mm)

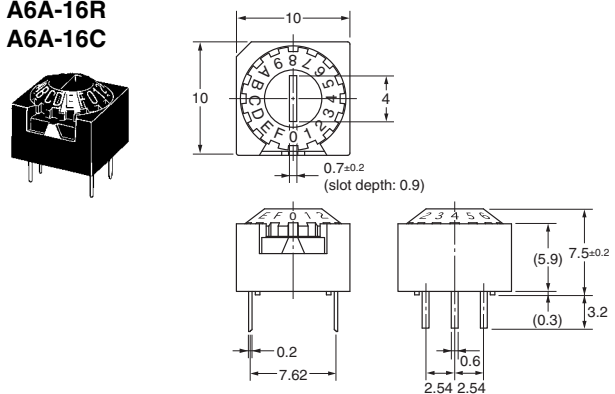
● Cone Type, 10 Positions

A6A-10R
A6A-10C



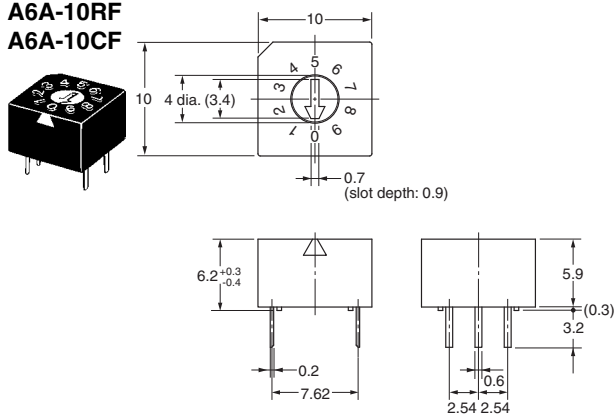
● Cone Type, 16 Positions

A6A-16R
A6A-16C



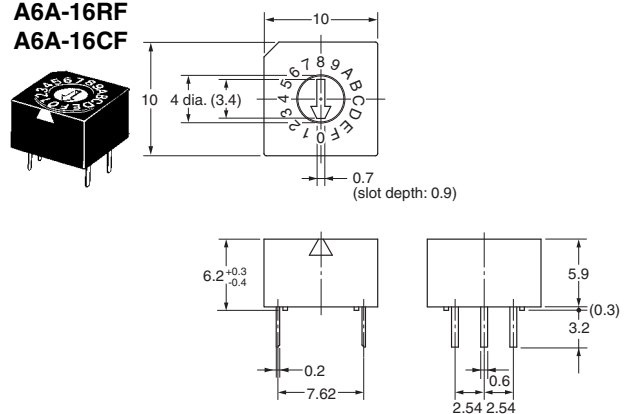
● Flat Type, 10 Positions

A6A-10RF
A6A-10CF



● Flat Type, 16 Positions

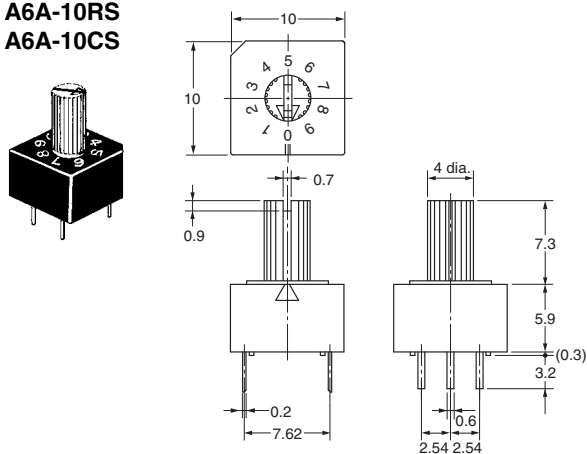
A6A-16RF
A6A-16CF



Note: Unless otherwise specified, a tolerance of ± 0.4 mm applies to all dimensions.

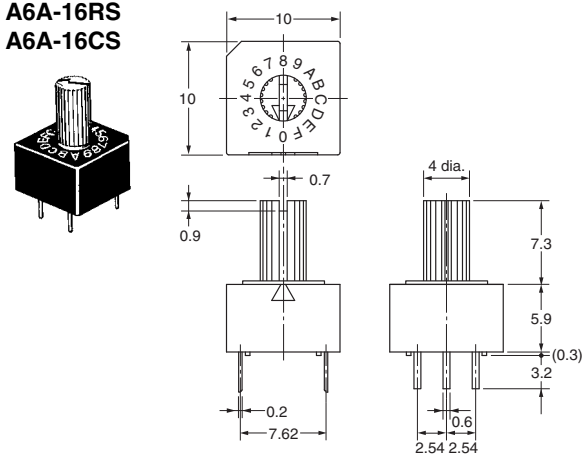
● Extended Actuator Type, 10 Positions

A6A-10RS
A6A-10CS



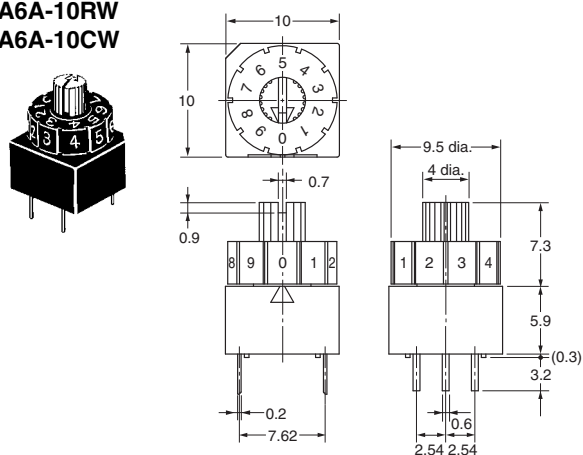
● Extended Actuator Type, 16 Positions

A6A-16RS
A6A-16CS



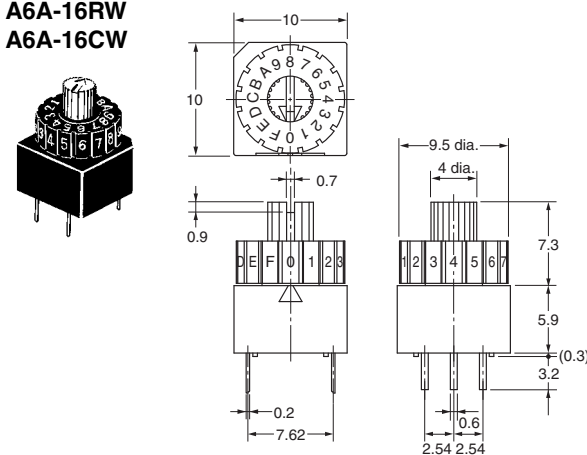
● Wheel Type, 10 Positions

A6A-10RW
A6A-10CW



● Wheel Type, 16 Positions

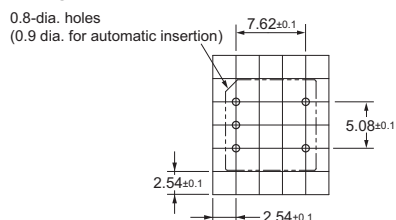
A6A-16RW
A6A-16CW



Note: Unless otherwise specified, a tolerance of ± 0.4 mm applies to all dimensions.

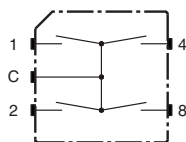
■ PCB Dimensions (Top View)

(Single-sided PCB, $t = 1.2$ to 1.6)



■ 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

Cat. No. A213-E1-02
1014(0207)(O)

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

Офис по работе с юридическими лицами:

105318, г.Москва, ул.Щербаковская д.3, офис 1107, 1118, ДЦ «Щербаковский»

Телефон: +7 495 668-12-70 (многоканальный)

Факс: +7 495 668-12-70 (доб.304)

E-mail: info@moschip.ru

Skype отдела продаж:

moschip.ru

moschip.ru_4

moschip.ru_6

moschip.ru_9