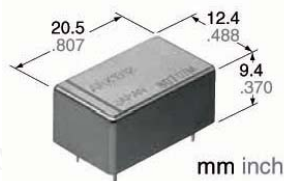




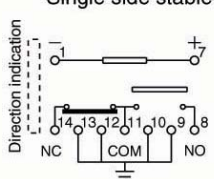
Relays & Solenoids

NAIS_PCB Relays

Detailed product specifications are available on: us.100y.com.tw



Single side stable



FEATURES

1. Excellent high frequency characteristics (~2.5GHz, Impedance 50Ω)

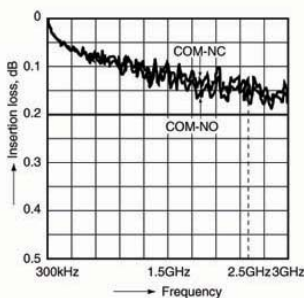
- Insertion loss: 0.2 dB or less
- Isolation: 60 dB or more
- Insertion loss
- V.S.W.R./ Return loss: 1.2dB or less/ 20.8dB or more

2. High sensitivity

- Nominal operating power: 200 mW

3. Small size

- Size: 20.5(L) × 12.4(W) × 9.4(H) mm .807(L) × .488(W) × .370(H) inch



SPECIFICATIONS

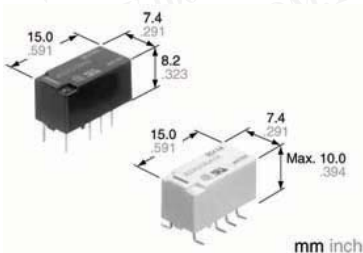
Contact

Arrangement	1 Form C	
Contact material	Gold	
Initial contact resistance (By voltage drop 10 V DC 10 mA)	Max. 100 mΩ	
Rating	Contact rating	10W (2.5 GHz, Impedance 50 Ω, V.S.W.R.&1.2) 10mA 24V DC (resistive load)
	Contact carrying power	Max. 20W (at 40°C, V.S.W.R. &1.2, Average)
	Max. switching voltage	30 V DC
	Max. switching current	0.5 A DC

Characteristics

Initial insulation resistance*1	Min. 100 MΩ (at 500 V DC)	
Shock resistance	Functional*5	Min. 200 m/s ² {20 G}
	Destructive*6	Min. 1,000 m/s ² {100 G}
Vibration resistance	Functional*7	10 to 55 Hz at double amplitude of 3 mm 10 to 55 Hz at double amplitude of 5 mm
	Destructive	10 to 55 Hz at double amplitude of 5 mm
Conditions for operation, transport and storage*8 (Not freezing and condensing at low temperature)	Ambient temp.	-40°C to 70°C -40°F to 158°F
	Humidity	5 to 85% R.H.
Unit weight	Approx. 5 g .18 oz	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
47139	ARX1012	NAIS	3 GHz SMALL MICROWAVE RELAY	12V	RX



FEATURES

1. High contact reliability over a long life has been made possible for low level loads.

Using a low level load (1 mV 10μA to 10 V 10 mA) 107 operations were achieved with a static contact resistance of Max. 100 mΩ (voltage drop of 20 mV, 1 mA, 1 kHz) and a dynamic contact resistance of Max. 1 Ω (Measurement delay 10 ms, voltage drop of 20 mV, 1 mA, 1 kHz).

2. High sensibility of 50 mW

By using the highly efficient polar magnetic circuit "seesaw balance armature mechanism", a rated power consumption of 50 mW (for single side stable type) has been achieved.

3. Low thermal electromotive force

Reducing the heat from the coil enables a thermal electromotive force of 3 μV or less.

SPECIFICATIONS

Contact

Arrangement	2 Form C	
Contact material	Stationary contact: AgPd+Au clad Movable contact: AgPd	
Rating	Nominal switching capacity (resistive load)	10 mA 10 VDC
	Max. switching power	0.1 W
	Max. switching voltage	10 VDC
	Max. switching current	10 mA DC
	Min. switching capacity (Reference value)*1	10 μA 1 mVDC

Characteristics

Initial insulation resistance*2	Min. 10,000MΩ (at 500V DC)	
Shock resistance	Functional*6	Min. 750 m/s ² {75G}
	Destructive*7	Min. 1,000 m/s ² {100G}
Vibration resistance	Functional*8	10 to 55 Hz at double amplitude of 3.3 mm 0 to 55 Hz at double amplitude of 5 mm
	Destructive	0 to 55 Hz at double amplitude of 5 mm
Conditions for operation, transport and storage*9 (Not freezing and condensing at low temperature)	Ambient temperature	-40°C to 70°C -40°F to 158°F
	Humidity	5 to 85% R.H.
Unit weight	Approx. 2 g .071 oz	

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
46910	ASX200A03Z	NAIS	NAIS Relay 3V	3V	SX/ASX



FEATURES

1. Small size and light weight

For space saving, the outside dimensions of the main body are reduced to be 21.5 mm (length) × 14.4 mm (width) × 37 mm (height) (.846 × .567 × 1.457 inch) and the weight is also reduced to be approx. 19 g .67 oz (direct coupling 1 Form A, 1 Form B type)

2. Low operating power (1.4W) type is available (1 Form A, 1 Form B)

3. Since the terminal arrangement complies with JIS D5011 B4-M1, commercial connectors are available for these types of relays.

4. Superior inrush characteristics

Despite its small size, 120A (max. 0.1 s) capacity has been achieved by using contacts that are good at withstanding inrush currents and because of an ingenious contacting mechanism. (1 a and 1b)

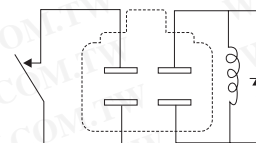
TYPICAL APPLICATIONS

1. Motorcycles and automobiles

Motorcycle cell motors, car air conditioners, halogen lamps, etc.

2. Agricultural equipment

3. Battery equipped devices such as conveyance vehicles



Including diode(1 Form C)

Part No.	Product No.	Manufacturer	Description	Coil Voltage	Type
47133	CA1-DC24V-N	NAIS	AUTOMOTIVE POWER RELAYS — SMALL SIZE, LIGHT WEIGHT	24V	CA

