

● Features

- Two AA relay in one housing
- Ultra miniaturized design
- Extremely light weight
- Suitable for motor reversing application
- Dimension: 24.2 x 13.2 x 10.3 mm



● Application

- Power Antenna / Power Window / Interval Wiper Control / Sunroof Control / Steering Wheel Power Tilt / Central Door Lock / Seat Adjustment / Immobilizer, etc.

● Contact Data

Contact Arrangement	2A	2C
Contact Material	Ag Alloy	
Contact Rating	30A 14VDC	NO: 30A 14VDC; NC: 25A 14VDC
Max. Switching Power	420W	
Max. Switching Voltage	16VDC	
Max. Switching Current	30A	
Min. Contact Load	1A 6VDC	
Voltage Drop (initial)	Typ.: 50mV (at 10A) Max.: 250mV (at 10A)	
Contact Resistance	≤ 100mΩ	
Electrical Endurance	1x10 ⁵	
Mechanical Endurance	1x10 ⁷	

● Coil Parameter

Coil Voltage (VDC)		Coil Resistance ($\Omega \pm 10\%$)	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
6	12.0	64	3.5	0.6	0.55
10	20.0	181	5.7	1.0	
12	24.0	254	6.9	1.2	

● Operation Condition

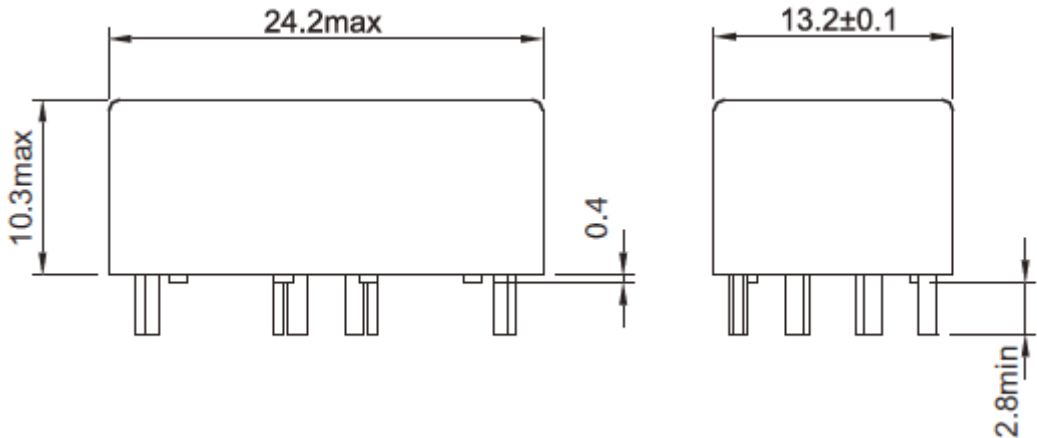
Insulation Resistance		100M Ω min (at 500VDC)
Dielectric Strength	Between Contacts	500V, 50Hz 1 min.
	Between Contact and Coil	500V, 50Hz 1 min.
Shock Resistance		30g, 6ms
Vibration Resistance		6g, 10-55Hz
Ambient Temperature		-40~105°C (no freezing)
Operate Time		≤ 3 ms
Release Time		≤ 1.5 ms
Weight		Approx. 8g

● Ordering Information

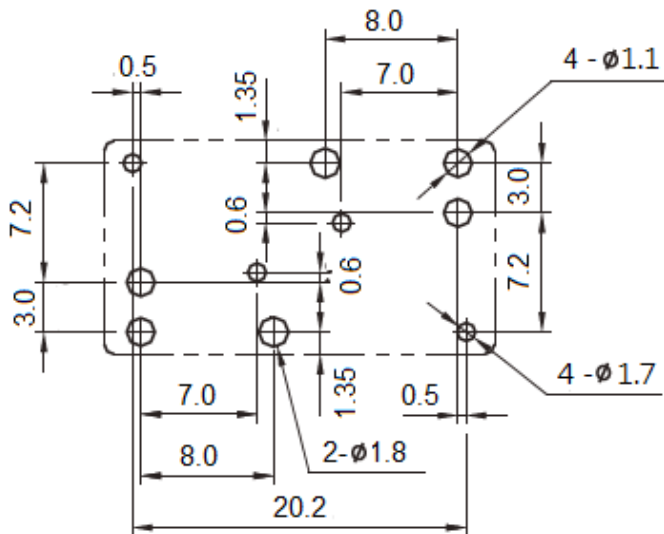
	AB	-12D	-2C	-S	(XXX)
Model					
Coil Voltage	6: 6VDC	10: 10VDC	12: 12VDC		
Contact Arrangement	2A: 2 Form A	2C: 2 Form C			
Construction	Nil: Flux tight	S: Sealed			
Special Code	Nil: Standard	XXX: Customer special requirement			

● Dimensions (UNIT: mm)

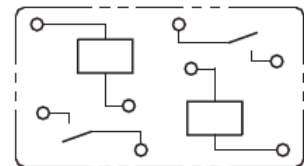
Outline Dimensions



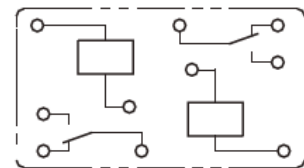
Mounting (Bottom views)



Wiring Diagram (Bottom views)



2A



2C

NOTES 1) Dimensions are in millimeter.

2) Inch equivalents are given for general information only.