Features

- Subminiature automotive relay
- Ultra miniaturized design
- Extremely light weight
- 30A maximum continuous current
- Environmental friendly product (RoHS compliant)
- Dimension: 13.2 x 12.3 x 10.3 mm

Application

- Motor Control / Lamp Control / Interval Wiper Control / Rear Window & Seat Heating, etc.

Contact Data

Contact Arrangement	1A	1C
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 (Ω±10%)	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
6	13.2	64	3.5	0.6	0.55
10	22.0	181	5.7	1.0	
12	26.0	254	6.9	1.2	

Operation Condition

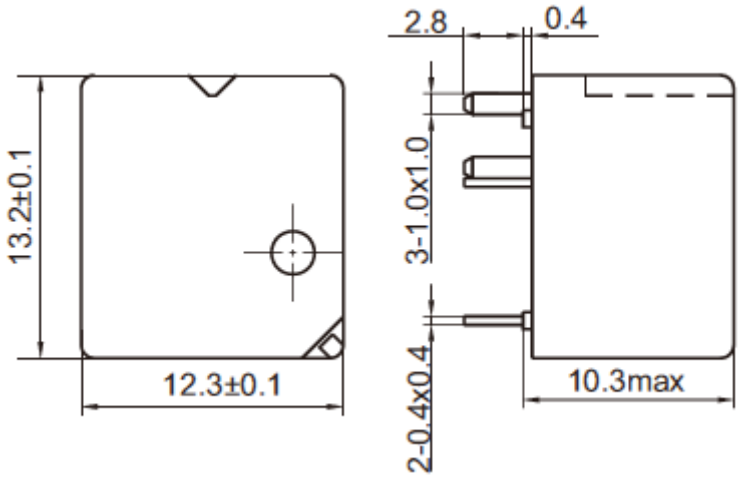
Insulation Resistance		100MΩ min (at 500VDC)
Dielectric Strength	Between Contacts	500V, 50Hz 1 min.
	Between Contact and Coil	500V, 50Hz 1 min.
Shock Resistance		30g, 6ms
Vibration Resistance		6g, 10-55Hz
Ambient Temperature		-40~105℃(no freezing)
Operate Time		≦3ms
Release Time		≦1.5ms
Weight		Approx. 4g

Ordering Information

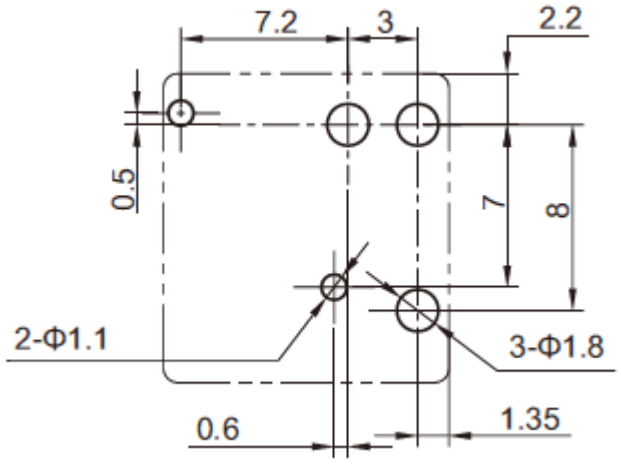
	AA	-12D	-C	-S	(XXX)
Model					
Coil Voltage	**6**: 6VDC **10**: 10VDC **12**: 12VDC				
Contact Arrangement	**A**: 1 Form A **C**: 1 Form C				
Construction	**Nil**: Flux tight **S**: Sealed				
Special Code	**Nil**: Standard **XXX**: Customer special requirement				

Dimensions (UNIT: mm)

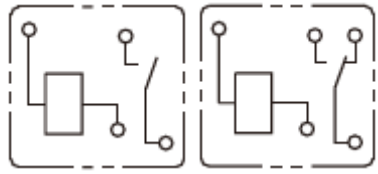
Outline Dimensions



Mounting (Bottom views)



Wiring Diagram (Bottom views)



1A 1C

NOTES 1) Dimensions are in millimeter.

2) Inch equivalents are given for general information only.