

## ● Features

- 1A switching capability
- Low coil power consumption
- Small size, light weight
- High sensitive: 150mW
- 1 Form C configuration
- Environmental friendly product (RoHS compliant)
- Dimensions: 12.3 x 7.3 x 10.2 mm



## ● Application

- Automation Facilities / Telecommunication Equipment / Wireless Radio Remote Control / Sound Control Toys Application, etc.

## ● Contact Data

Contact Arrangement	1C
Contact Material	Ag Alloy
Contact Rating	1A/125VAC, 1A/30VDC
Max. Switching Power	125VA / 30W
Max. Switching Voltage	125VAC / 30VDC
Max. Switching Current	1A
Contact Resistance	≤ 50mΩ (6VDC 0.1A)
Electrical Endurance	1x10 <sup>5</sup>
Mechanical Endurance	5x10 <sup>6</sup>

## ● Coil Parameter

Coil Voltage (VDC)		Coil Resistance (Ω±10%)	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
3	3.3	60	2.25	0.3	0.15
5	5.5	167	3.75	0.5	

- Coil Parameter (at 23°C)

Coil Voltage (VDC)		Coil Resistance ( $\Omega \pm 10\%$ )	Pickup Voltage(max) (VDC)	Release Voltage(min) (VDC)	Coil Power Consumption (W)
Rated	Max.				
6	6.6	240	4.50	0.6	0.15
9	9.9	540	6.75	0.9	
12	13.2	960	9.00	1.2	
24	26.5	3291	18.0	2.4	0.175

- Operation Condition

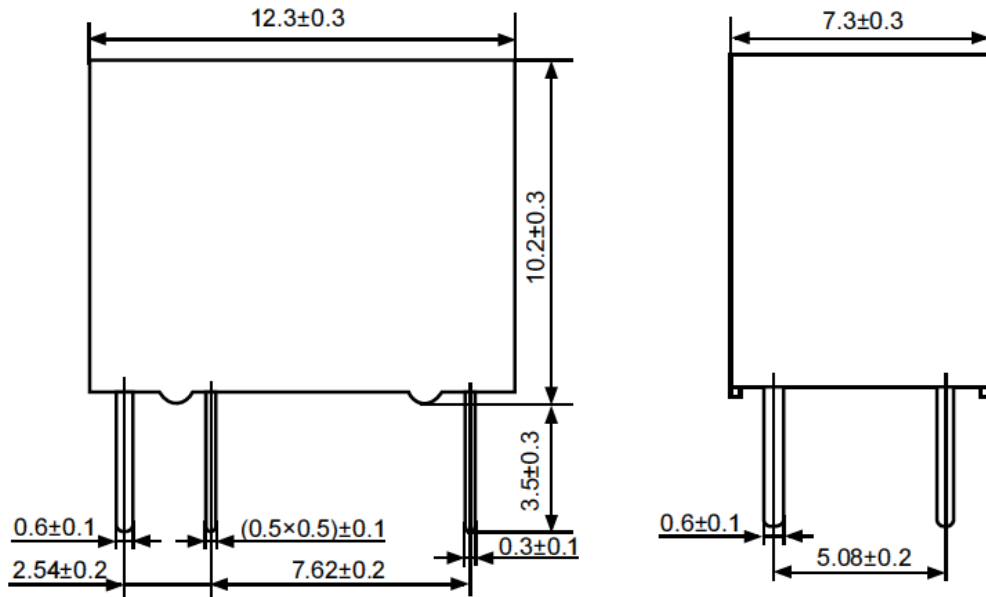
Insulation Resistance		1000M $\Omega$ min (at 500VDC)
Dielectric Strength	Between Contacts	400V
	Between Contact and Coil	1000V
Shock Resistance	Functional	98m/s <sup>2</sup>
	Endurance	980m/s <sup>2</sup>
Vibration Resistance		10~55Hz double amplitude 1.5mm
Ambient Temperature		-30 ~ +70°C
Operate Time		$\leq 5$ ms
Release Time		$\leq 5$ ms
Relative Humidity		5%~85%
Weight		Approx.2.2g

- Ordering Information

	TA	-12D	-C	(XXX)
<b>Model</b>				
<b>Coil Voltage</b>	3, 5, 6, 9, 12, 24 VDC			
<b>Contact Arrangement</b>	C: 1 Form C			
<b>Special Code</b>	Nil: Standard XXX: Customer special requirement			

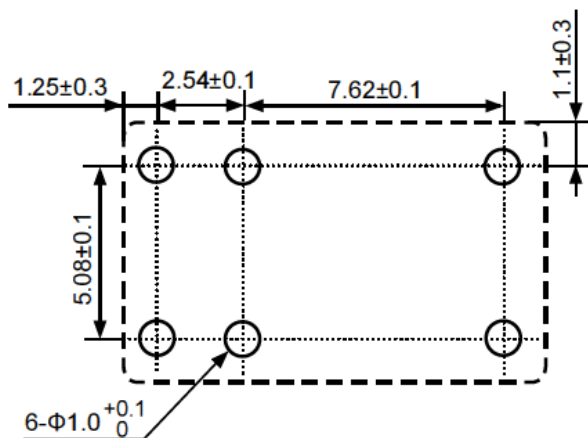
## ● Dimensions (UNIT: mm)

### Outline Dimensions

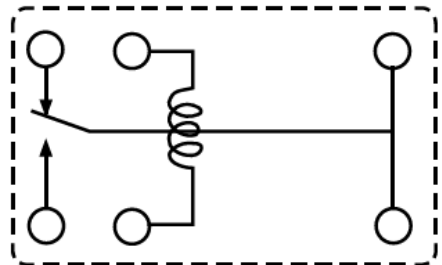


## ● Dimensions (UNIT: mm)

### Mounting (Bottom views)



### Wiring Diagram (Bottom views)



Remark: 1) In case of no tolerance shown in outline dimension: outline dimension  $\leq 1\text{mm}$ , tolerance should be  $\pm 0.2\text{mm}$ ; outline dimension  $> 1\text{mm}$  and  $\leq 5\text{mm}$ , tolerance should be  $\pm 0.3\text{mm}$ ; outline dimension  $> 5\text{mm}$ , tolerance should be  $\pm 0.5\text{mm}$ .

2) The tolerance without indicating for PCB layout is always  $\pm 0.1\text{mm}$ .



## Disclaimer

The specification is for reference only. See to "Terminology and Guidelines" for more information. Specifications subject to change without notice. We could not evaluate all the performance and all the parameters for every possible application. Thus the user should be in a right position to choose the suitable product for their own application. If there is any query, please contact IOEC for the technical service. However, it is the user's responsibility to determine which product should be used only.

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