


# THA SERIES

ORDER CODE  
**THA-12-L**

□: 0.2W  
 L: 0.15W

COIL VOLTAGE  
 3: DC 3V  
 5: DC 5V  
 6: DC 6V  
 9: DC 9V  
 12: DC 12V  
 24: DC 24V

TYPE



**Main Features:**

- Ultra small size (12.50 x7.50 x10.00), single pole Relay.
- High sensitive (150mw) type & Standard (200mw) type.
- Plastic sealed type.
- DIL pitch terminal.

### COIL RATING (at 20°C)

NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	NOMINAL CURRENT (mA)(±10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)
3V	45 Ω	0.2W	66.7mA	75% MAX.	10% MIN.	130%
5V	125 Ω		40.0mA			
6V	180 Ω		33.3mA			
9V	405 Ω		22.2mA			
12V	720 Ω		16.7mA			
24V	2880 Ω		8.3mA			

	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -ION(W)	NOMINAL CURRENT (mA)(±10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX. ALLOWABLE VOLTAGE (VDC)
L	3V	60 Ω	0.15W	50.0mA	75% MAX.	10% MIN.	130%
	5V	167 Ω		30.0mA			
	6V	240 Ω		25.0mA			
	9V	540 Ω		16.7mA			
	12V	960 Ω		12.5mA			
	24V	3840 Ω		6.3mA			

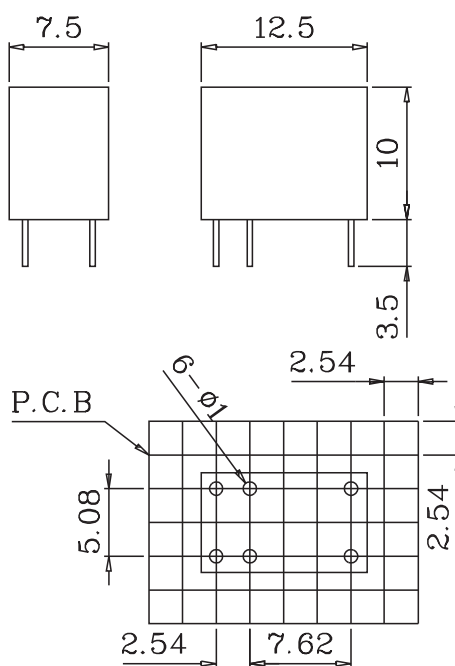
### PERFORMANCE (at initial value)

Item	Type	1A
Contact Resistance		100mΩ Max. (initial value)
Operate Time		5msec Max.
Release Time		5msec Max.
Dielectric Strength between coil & contact between contact		AC1000V (1min) AC500V (1min)
Insulation Resistance		100MΩ Min.(DC500V)
Operating Ambient Temperature		-40°C ~ +70°C
Humidity		35 to 85% RH
Vibration Resistance		10G (10~55Hz)(Dual amplitude:1.5mm)
Shock Resistance		10G
Life Expectancy Mechanically Electrically		10,000,000 ops. Min. (1800 ops./h) 100,000 ops. Min. (1200 ops./h)
Weight		1.8g(about)

CONTACT RATING

Item \ Type	1A
Rated Carrying Current	AC125V 0.5A DC60V 0.3A DC30V 1A
Max. Allowable Current	1A
Max. Allowable Voltage	AC 125V DC 60V
Max. Current (continual)	1A
Min. Load	DC5V 10mA
Contact Material	Ag alloy

DIMENSIONS (Unit: mm)



WIRING DIAGRAMS (Bottom View)

