

# THA SERIES

## ORDER CODE

THA-12-L

D: 0.2W  
L: 0.15W

COIL VOLTAGE

TYPE

03: DC 3V  
05: DC 5V  
06: DC 6V  
09: DC 9V  
12: DC 12V  
24: DC 24V



### Main Features:

- Ultra small size (12.50 x 7.50 x 10.00), 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 ( $\Omega$ )(+/-10%)	Power Consumpt -10N(W)	Nominal Current (mA) (+/-10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
3V	45 $\Omega$	0.2W	66.7mA	75% Max.	10% Min.	130%
5V	125 $\Omega$		40.0mA			
6V	180 $\Omega$		33.3mA			
9V	405 $\Omega$		22.2mA			
12V	720 $\Omega$		16.7mA			
24V	2880 $\Omega$		8.3mA			

	Nominal Voltage (VDC)	COIL Resistance ( $\Omega$ )(+/-10%)	Power Consumpt -10N(W)	Nominal Current (mA) (+/-10%)	Pull In Voltage (VDC)	Drop Out Voltage (VDC)	Max. Allowable Voltage (VDC)
L	3V	60 $\Omega$	0.15W	50.0mA	75% Max.	10% Min.	130%
	5V	167 $\Omega$		30.0mA			
	6V	240 $\Omega$		25.0mA			
	9V	540 $\Omega$		16.7mA			
	12V	960 $\Omega$		12.5mA			
	24V	3840 $\Omega$		6.3mA			

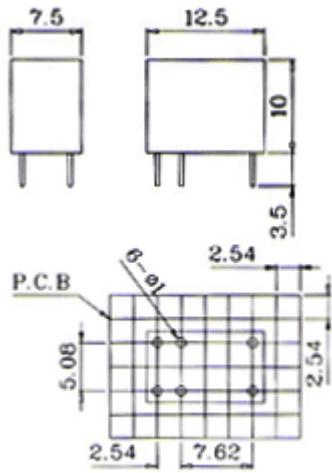
## PERFORMANCE (at initial value)

Item \ Type	1A
Contact Resistance	100m $\Omega$ Max (initial value)
Operate Time	5m sec Max.
Release Time	5m sec Max.
Dielectric Strength between coil & contact between contact	Ac1000V (1min.) Ac500V (1min.)
Insulation Resistance	100M $\Omega$ Min. (DC500V)
Operating Ambient Temperature	-40°C ~ +70°C
Humidity	35 to 85% RH
Vibration Resistance	10G (10~50Hz) (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	AC 125V 0.5A DC 60V 0.3A DC 30V 1A
Max. Allowable Current	2A
Max. Allowable Voltage	AC 125V DC 60V
Max Current (continual)	1A
Min. Load	DC 5V 10mA
Contact Material	Ag Alloy

#### DIMENSIONS (Unit: mm)



WIRING DIAGRAMS (Bottom View)

