

# THD SERIES

## ORDERING INFORMATION

THD-□ 01 □

D:0.45W  
L:0.2W

COIL VOLTAGE

TYPE

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



## FEATURES:

- UL, CUL & TUV safety approval.
- Subminiature single pole Relay.
- Standard (450mw) & High sensitive (201mw) type.
- Plastic sealed type is prepared for washing procedure.
- RoHS 2011/65/EU compliant

## COIL RATING(at 20°C)

D	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -10N(W)	NOMINAL CURRENT (mA)(±10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX ALLOWABLE VOLTAGE (VDC)
	3V	20Ω	0.45W	150.0mA	70% MAX.	10% MIN.	130%
5V	56Ω						
6V	80Ω						
9V	180Ω						
12V	320Ω						
24V	1280Ω						

L	NOMINAL VOLTAGE (VDC)	COIL RESISTANCE (Ω)(±10%)	POWER CONSUMPT -10N(W)	NOMINAL CURRENT (mA)(±10%)	PULL IN VOLTAGE (VDC)	DROP OUT VOLTAGE (VDC)	MAX ALLOWABLE VOLTAGE (VDC)
	3V	45Ω	0.2W	66.7mA	70% MAX.	10% MIN.	130%
5V	120Ω						
6V	180Ω						
9V	400Ω						
12V	700Ω						
24V	2800Ω						

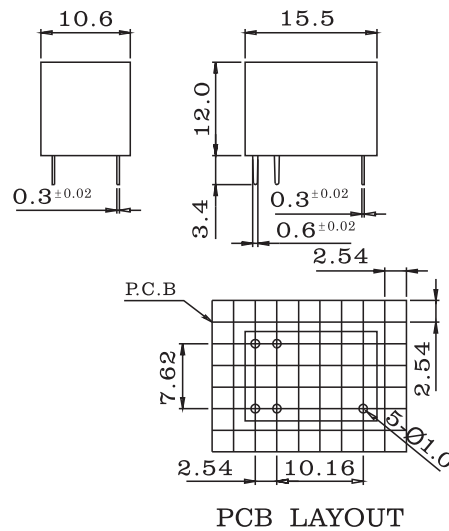
## PERFORMANCE(at initial value)

Item	Type	3A
Contact Resistance		50mΩ Max. (Initial value)
Operate Time		5msec Max.
Release Time		5msec Max.
Dielectric Strength between coil & contact between contact		AC1500V(1min) AC1100V(1min)
Insulation Resistance		100MΩ Min.(DC500V)
Operating Ambient Temperature		-30°C~+80°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		3.5g(approx.)

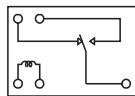
CONTACT RATING

Item \ Type	3A
Rated Carrying Current	DC24V 3A DC30V 1A AC120V 2A
Max. Allowable Current	3A
Max. Allowable Voltage	AC 120V DC 60V
Max. Current(continual)	3A
Min. Load	DC1V 1mA
Contact Material	Ag alloy

DIMENSIONS(Unit:mm)



WIRING DIAGRAMS(Bottom View)



REFERENCE DATA

