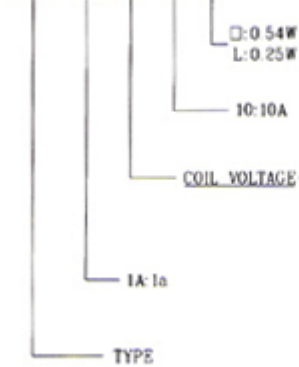


# TNE SERIES

## ORDER CODE

TNE-1A-12-10-L



03: DC 3V  
05: DC 5V  
06: DC 6V  
09: DC 9V  
12: DC 12V  
24: DC 24V  
48: DC 48V



### Main Features:

- UL approval.
- Contact: 1 form A.
- Small size (24.4 x 10.4 x 25.0).
- The most suitable for TV and audio, etc.

## 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	17 $\Omega$	0.54W	176.4mA	80% Max.	5% Min.	120%
5V	50 $\Omega$		100.0mA			
6V	68 $\Omega$		88.2mA			
9V	155 $\Omega$		58.1mA			
12V	270 $\Omega$		44.4mA			
24V	1100 $\Omega$		21.8mA			
48V	4400 $\Omega$		10.9mA			

	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	36 $\Omega$	0.25W	83.3mA	80% Max.	5% Min.	120%
	5V	100 $\Omega$		50.0mA			
	6V	144 $\Omega$		41.7mA			
	9V	324 $\Omega$		27.8mA			
	12V	576 $\Omega$		20.8mA			
	24V	2304 $\Omega$		10.4mA			
	48V	9216 $\Omega$		5.2mA			

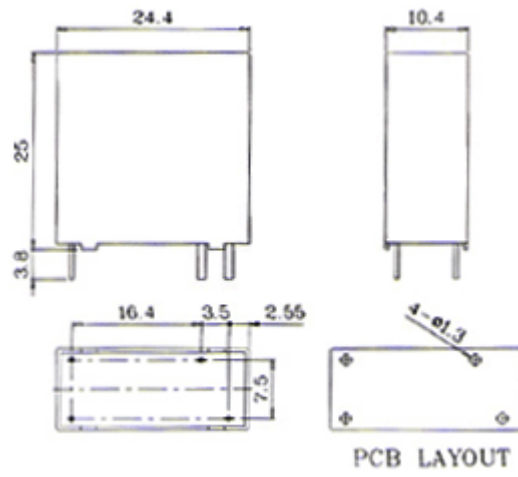
## PERFORMANCE (at initial value)

Item \ Type	10A
Contact Resistance	100m $\Omega$ Max (initial value)
Operate Time	15m sec Max.
Release Time	8m sec Max.
Dielectric Strength between coil & contact between contact	Ac4000V (1min.) Ac1000V (1min.)
Insulation Resistance	100M $\Omega$ Min. (DC500V)
Operating Ambient Temperature	-30°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. at TV - 5 AC 120V
Weight	11g (about)

## CONTACT RATING

Item \ Type	10A
Rated Carrying Current	AC 250V 10A DC30V 10A
Max. Allowable Current	10A
Max. Allowable Voltage	AC 250V DC 110V
Max Current (continual)	10A
Min. Load	2500 VA, 300W
Contact Material	Ag Alloy

## DIMENSIONS (Unit: mm)



WIRING DIAGRAMS (Bottom View)

