

**FEATURES**

- 15A switching capabilities
- 1A and 1C configurations
- Subminiature high power latching relay
- Subminiature, standard PCB layout
- Plastic sealed and flux proofed types available
- UL and CUL approval, File No.: E179937

**CONTACT DATA**

Contact form	1 A	1C
Contact resistance (Initial)	100mΩ(at 1A 6VDC)	
Rated load Resistive	10A 277VAC/30VDC	
Max switching voltage	30VDC/277VAC	
Rated carry current	15A	10A
Max switching power	300W/2770VA	
Contact material	AgSnO <sub>2</sub>	

**CHARACTERISTICS**

Insulation resistance	100MΩ at 500VDC
Dielectric strength	2000VAC, 1 min. between coil to contacts 750VAC, 1 min. between open contacts
Operate time	Max. 8 ms (nominal voltage)
Release time	Max. 5 ms (nominal voltage)
Vibration resistance	10-55Hz, Double Amplitude 1.5mm
Shock resistance	Functional:98m/s <sup>2</sup> Destructive:980m/s <sup>2</sup>
Humidity	5% to 85% RH
Ambient temperature	-40°C ~ 85°C
Life expectancy - Mechanical	1 x 10 <sup>7</sup> operations

**Electrical**

Version	Contact Rating	Ambient Temperature	Electrical Endurance
1HT	15A 120VAC, Incandescent lamp, 1s on 9s off	60°C	6 x 10 <sup>3</sup> ops
1C	10A 277VAC, Resistive load, 1s on 9s off	60°C	1 x 10 <sup>4</sup> ops
	12A 277VAC, General use, 1s on 9s off	70°C	2 x 10 <sup>4</sup> ops

**COIL SPECIFICATIONS 1. Latching (1 coil)**

Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance (Ω±10%)	Power consumption(mW)	Max. allowable voltage(VDC)
3	2.4	0.3	133.3	22.5	400	150% of nominal voltage
5	4.0	0.5	80	62.5	400	
6	4.8	0.6	66.7	90	400	
9	7.2	0.9	44.4	202.5	400	
12	9.6	1.2	33.3	360	400	
24	19.2	2.4	16.7	1440	400	
48	38.4	4.8	8.3	5760	400	

## COIL SPECIFICATIONS 1. Latching (2 coil)

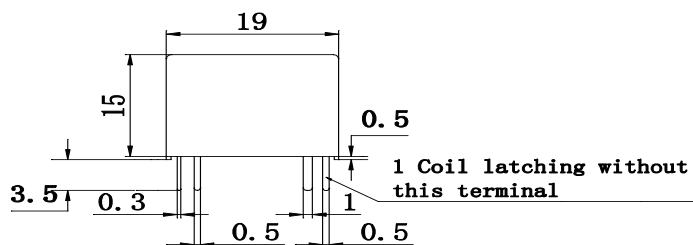
Nominal voltage (VDC)	Pick-up voltage VDC(Max.)	Drop-out voltage VDC(Min.)	Nominal current (mA±10%)	Coil resistance ( $\Omega \pm 10\%$ )	Power consumption(mW)	Max. allowable voltage(VDC)
3	2.4	0.3	266.7	11.25	800	150% of nominal voltage
5	4.0	0.5	160	31.5+31.5	800	
6	4.8	0.6	133.3	45+45	800	
9	7.2	0.9	88.9	101.5+101.5	800	
12	9.6	1.2	66.7	180+180	800	
24	19.2	2.4	33.3	720+720	800	
48	38.4	4.8	16.7	2880+2880	800	

## ORDERING INFORMATION

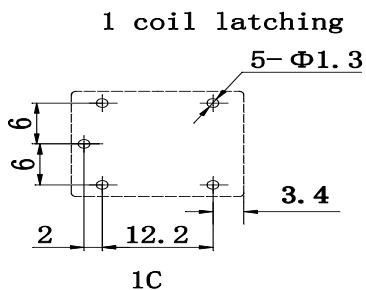
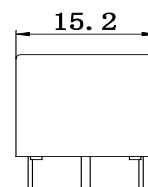
**ME-15M - L1 - 012 - H T S R**

Model No.	Sort	Coil Voltage	Contact Form	Contact Material	Protection	Polarity
ME-15M	L1: 1 coil latching L2: 2 coil latching	3VDC-48VDC	H: 1 A Nil: 1 C	T: AgSnO <sub>2</sub>	Nil: Flux free type S: Sealed type	Nil: Standard polarity R: Reverse polarity

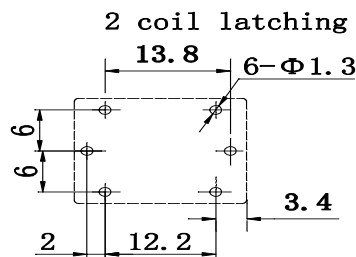
## Dimensions(unit:mm)



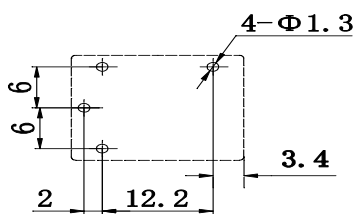
PCB LAYOUT (Bottom view)



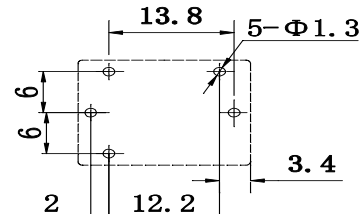
1C



1C



1A



1A

Dimensions(unit:mm)

1 coil latching

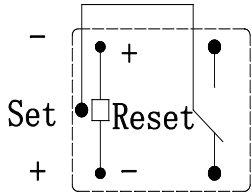
2 coil latching

Standard Polarity

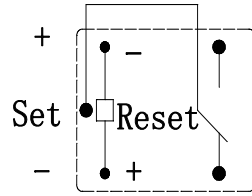
Reverse Polatiry

Standard Polarity

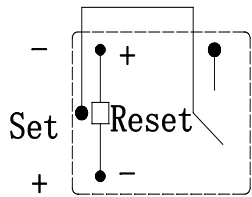
Reverse Polatiry



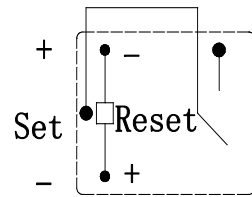
1C



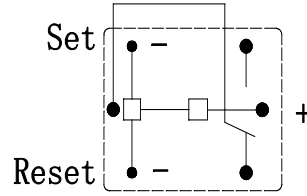
1C



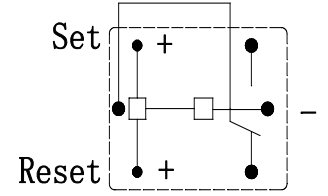
1A



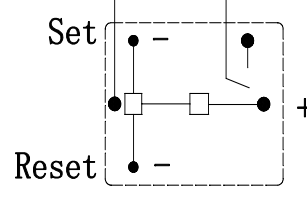
1A



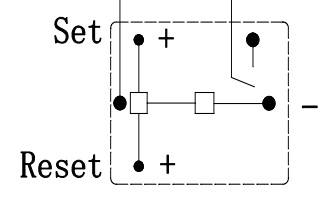
1C



1C



1A



1A

**Disclaimer: All the specifications are subject to change without notice.**