

# M1HT

# PIC RELAY

## FEATURES

Miniature high power relay with big performance in small package

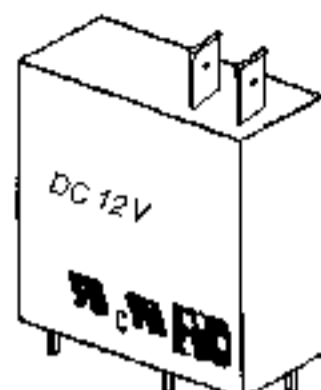
High contact capacity

Designed for the use of heavy duty

Slim type and low cost

Dust cover or sealed type

 Recognized



## SPECIFICATIONS

### COIL RATING

RATED VOLTAGE (V DC)	COIL RESISTANCE $\Omega$ +/-10 %		RATED CURRENT (mA)		MUST OPERATE VOLTAGE	MUST DROPOUT VOLTAGE	MAXIMUM VOLTAGE	POWER CONSUMPTION (W)
	M1HT	M1HTB	M1HT	M1HTB	% OF RATED VOLTAGE (AT +20°C)			
5	50	36	100	139	75 Max.	10 Min.	130 Max.	M1HT 0.55W Approx.  M1HTB 0.72W (For 48VDC, 0.75W Approx.)
6	68	50	88	120				
9	155	115	58	78				
12	270	200	44	60				
18	620	460	29	39				
24	1100	820	22	29				
48	4400	3300	11	14.5				
60	6750	5000	9	12				
110	-	16200	-	7				

## CHARACTERISTICS

Contact Arrangement	SPST ( 1 Form A)
Contact Material	Silver Alloy
Contact Resistance	50m $\Omega$ Max. (Measured at 1A 6VDC)
Contact Rating (Resistive Load)	16A 250V AC / 30V DC
Switching Voltage	DC 30V AC 277V Max.
Switching Current	20A Max.
Switching Capacity	4000VA/480W Max.
Operate Time	15ms
Release Time	5ms
Insulation Resistance	1000M $\Omega$ Min. ( 500V DC)
Dielectric Strength	1500V AC (50Hz/min.) Between open contacts 4000V AC(50Hz/min.) Between coil and contact
Ambient Temperature	-40°C to +85°C
Humidity	35 - 85% RH
Operation Life	Mechanical : 5 x 10 <sup>6</sup> Electrical : 1 x 10 <sup>5</sup>
Weight	22g Approx.

[Specifications are subject to change without notices.]

## ORDERING INFORMATION

M1HT B - 1A 1 - DC12V

RATED VOLTAGE

CONTACT TERMINATION

CONTACT ARRANGEMENT : 1A : 1 FORM A

NIL : 0.55W

B : 0.72W

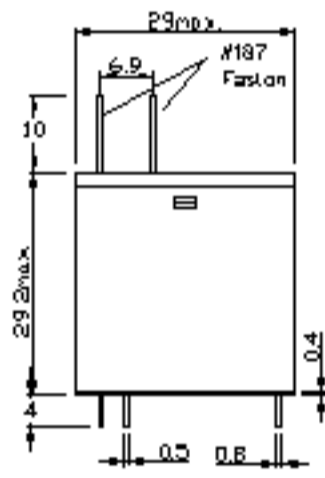
RELAY MODEL

1 : FIG. 1

2 : FIG. 2

3 : FIG. 3

## DIMENSIONS (UNIT:mm)



BOTTOM VIEW

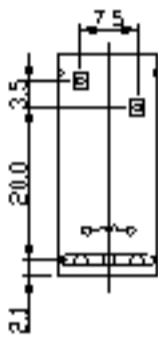
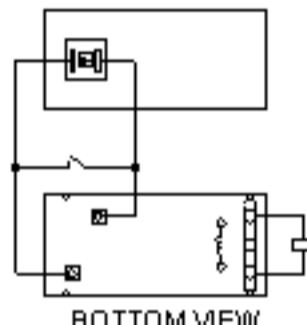


FIG. 1

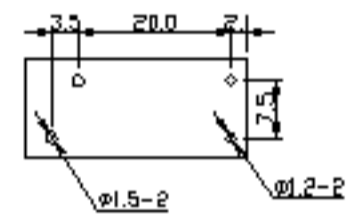
WIRING DIAGRAM

TOP VIEW

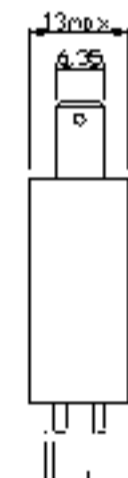
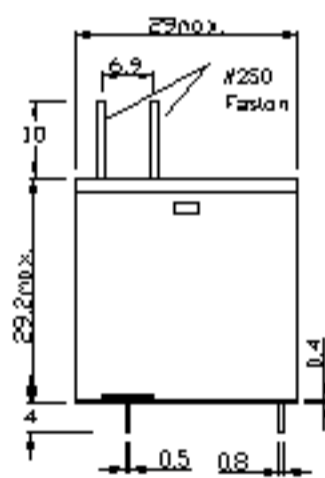


BOTTOM VIEW

PCB LAYOUT



BOTTOM VIEW



BOTTOM VIEW

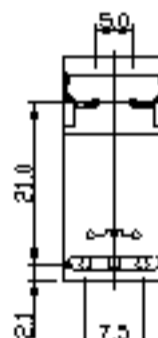
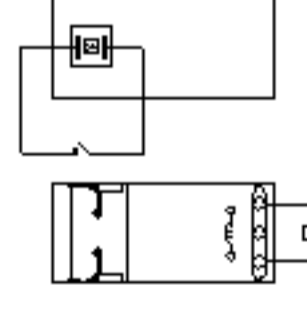


FIG. 2

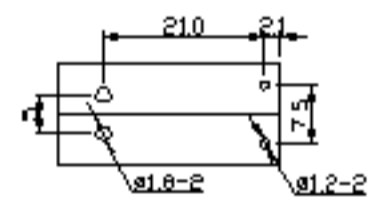
WIRING DIAGRAM

TOP VIEW

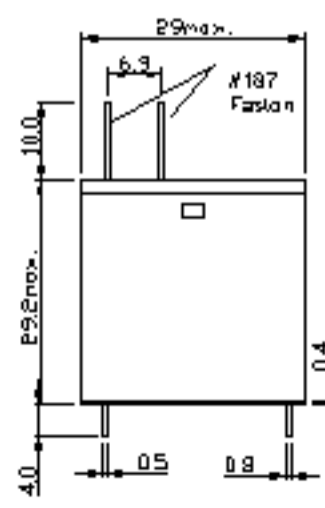


BOTTOM VIEW

PCB LAYOUT



BOTTOM VIEW



BOTTOM VIEW

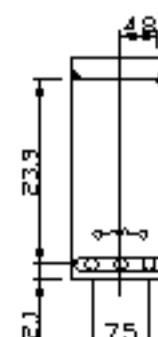
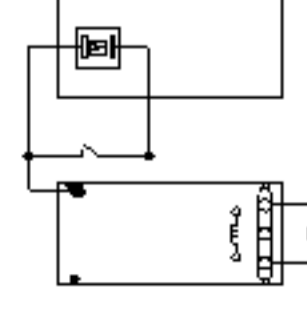


FIG. 3

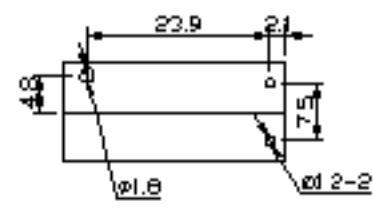
WIRING DIAGRAM

TOP VIEW



BOTTOM VIEW

PCB LAYOUT



BOTTOM VIEW