

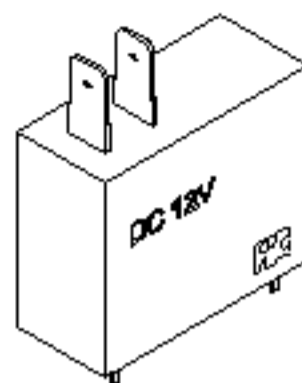


M2HT

PIC RELAY

FEATURES

- 16A switching capabilities
- 4KV dielectric coil to contacts
- 10KV surge voltage between coil to contacts
- Meet requirement of 8mm Creepage Distance
- QC / PCB Terminal
-  c  Pending



SPECIFICATIONS

COIL RATING

| RATED VOLTAGE (V DC) | COIL RESISTANCE Ω +/- 10 % | RATED CURRENT (mA) | MUST OPERATE VOLTAGE | MUST DROPOUT VOLTAGE | MAXIMUM VOLTAGE | POWER CONSUMPTION (W) |
|-------------------------|--------------------------------------|-----------------------|--------------------------------|----------------------|-----------------|--------------------------|
| | | | % OF RATED VOLTAGE (At +20 °C) | | | |
| 5 | 47 | 106 | 80 Max. | 10 Min. | 120 Max. | 0.53 Approx. |
| 6 | 68 | 88 | | | | |
| 9 | 155 | 58 | | | | |
| 12 | 270 | 44 | | | | |
| 18 | 620 | 29 | | | | |
| 24 | 1100 | 22 | | | | |
| 48 | 4400 | 11 | | | | |

CHARACTERISTICS

| | |
|---------------------------------|---|
| Contact Arrangement | SPST(1 Form A) |
| Contact Material | Silver Alloy |
| Contact Resistance | 50m Ω Max. (Drop 6VDC 1A) |
| Contact Rating (Resistive Load) | 16A 250VAC / 30VAC |
| Switching Voltage | DC125V/AC 277V Max. |
| Switching Current | 16A Max. |
| Switching Capacity | 4000VA / 480W Max. |
| Operate Time | 20ms |
| Release Time | 10ms |
| Insulation Resistance | 1000M Ω Min.(500V DC) |
| Dielectric Strength | 1000V AC(50Hz/min.) Between open contacts 5000V AC(50Hz/min.) Between coil and contact |
| Shock Resistance | Malfunction : 100 m/s ² Mechanical : 1000 m/s ² |
| Vibration Resistance | 1.5mm Double Amplitude 10-55Hz |
| Ambient Temperature | -40°C to +70°C |
| Humidity | 35 to 85% |
| Operation Life | Mechanical : 10 ⁷ Electrical : 10 ⁵ |
| Weight | 13g Approx. |

[Specifications are subject to change without notices.]

ORDERING INFORMATION

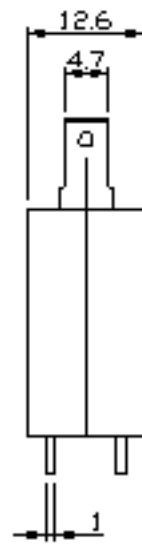
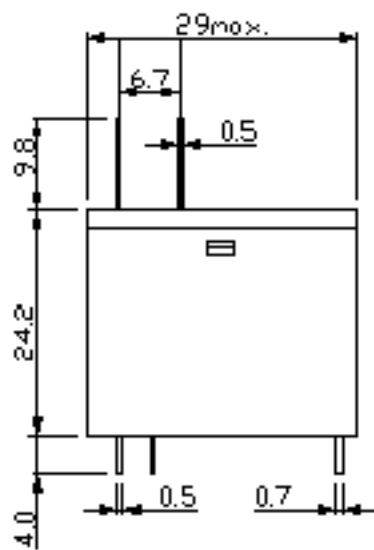
M2HT - 1A DC12V

RATED VOLTAGE

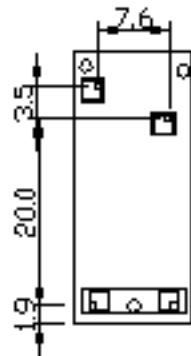
CONTACT ARRANGEMENT 1A : SPST (1 FORM A)

RELAY MODEL

DIMENSIONS (UNIT:mm)

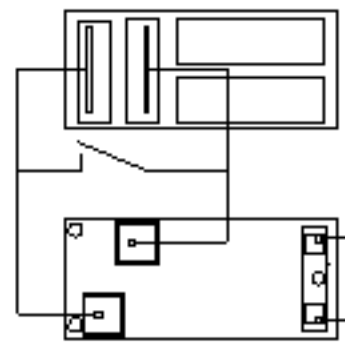


BOTTOM VIEW



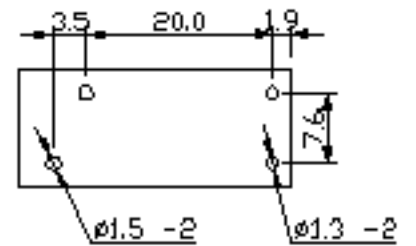
WIRING DIAGRAM

TOP VIEW



BOTTOM VIEW

PCB LAYOUT



BOTTOM VIEW