

MASSUSE SOLID STATE RELAY

DC to AC Solid State Relay

MO2002DA

MO2002DA1: Random turn-on MO2002DA2: Zero-cross turn-on

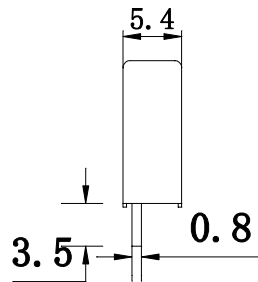
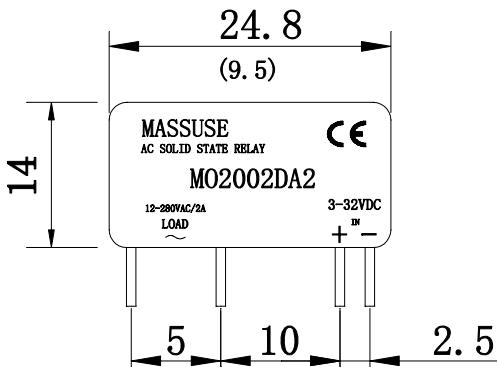
SPECIFICATION

| Model No. | Control Voltage Range | Must Turn Off Voltage | Max. On-State Voltage Drop | Max. Load Current | Load Voltage Range | Min Blocking Voltage | Max Off-State Leakage | Typical input Current | Max Surge Current |
|-----------|-----------------------|-----------------------|----------------------------|-------------------|--------------------|----------------------|-----------------------|-----------------------|-------------------|
| MO2002DA | 3 to 32VDC | Max. 1.0VDC | 1.5VAC | 2A | 24 – 280VAC | 600VAC | Less 3mA | 15mA | 20A |

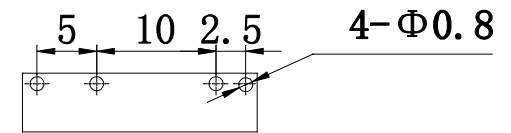
| Model No. | Max Off State dv / dt | Min. Turn-on Voltage | Isolate Impedance | Dielectric Strength Input-Output | Max. Capacitance Input-output | Turn On Time | Turn Off Time | Operating Temperature | Weight (g) |
|-----------|-----------------------|----------------------|-------------------|----------------------------------|-------------------------------|--------------|------------------|-----------------------|------------|
| MO2002DA | 200 V / μ SEC | 3.0VAC | 10^9 ohm | 2500VACrms | Less 15pf | Less 2mSec | Less 1/2AC cycle | -20°C~+80°C | 3.5 g |

MO series

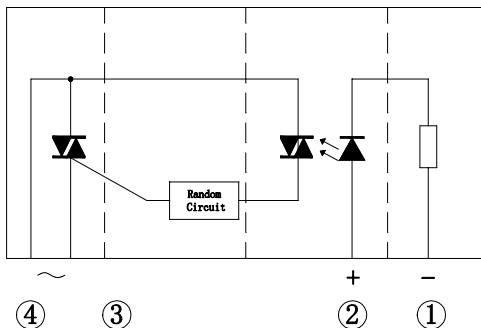
Dimensions(unit: mm)



PCB LAYOUT

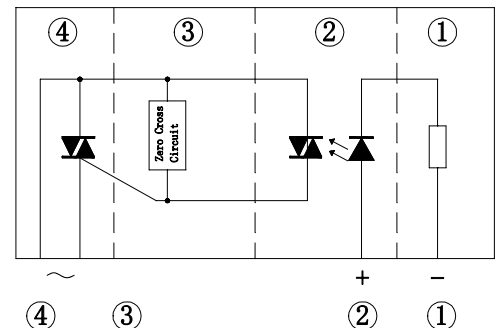


Random Turn-on



1. INPUT CIRCUIT
2. PHOTO DETECTOR
3. RANDOM CIRCUIT
4. OUTPUT CIRCUIT

Zero Cross Turn-On



1. INPUT CIRCUIT
2. PHOTO DETECTOR
3. ZERO-CROSS CIRCUIT
4. OUTPUT CIRCUIT

MASSUSE SOLID STATE RELAY

