# Product Overview

## MOC3062M: Triac Driver Output Optocoupler, 6-Pin DIP 600V Zero Crossing

For complete documentation, see the data sheet.

The MOC306XM and MOC316XM devices consist of a GaAs infrared emitting diode optically coupled to a monolithic silicon detector performing the function of a zero voltage crossing bilateral triac driver.They are designed for use with a triac in the interface of logic systems to equipment powered from 115/240 VAC lines, such as solid-state relays, industrial controls, motors, solenoids and consumer appliances, etc.

## Features

- Simplifies Logic Control of 115/240 VAC Power
- Zero Voltage Crossing to Minimize Conducted and Radiated Line Noise
- 600 V Peak Blocking Voltage
- Superior Static dv/dt
- 600 V/µs (MOC306xM)
- 1000 V/µs (MOC316xM)
- Safety and Regulatory Approvals
- UL1577, 4,170 VACRMS for 1 Minute
- DIN EN/IEC60747-5-5

## Applications

- Consumer Appliances
- Industrial Motor

## Part Electrical Specifications

| Product | Pricing ($/Unit) | Compliance | Status | $V_{DRM}$ (Min) (V) | $I_{FT}$ (Max) (mA) | $V_{TM}$ (Max) (V) | Static dV/dt (Min) | Commutating dV/dt (Min) | $I_H$ (Typ) | $I_{DRM}$ (Max) | $V_{ISO}$ (Min) | Package Type |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| MOC3062M | 0.3821 | Pb-free<br>non AEC-Q and PPAP | Active | 600 | 10 | 3 | 600 | - | 500 | 500 | 4170 | PDIP-6 |
| MOC3062SM | 0.588 | Pb-free<br>non AEC-Q and PPAP | Active | 600 | 10 | 3 | 600 | - | 500 | 500 | 4170 | PDIP-6 |
| MOC3062SR2M | 0.4635 | Pb-free<br>non AEC-Q and PPAP | Active | 600 | 10 | 3 | 600 | - | 500 | 500 | 4170 | PDIP-6 |
| MOC3062SR2VM | 0.4671 | Pb-free<br>non AEC-Q and PPAP | Active | 600 | 10 | 3 | 600 | - | 500 | 500 | 4170 | PDIP-6 |
| MOC3062SVM | 0.6 | Pb-free<br>non AEC-Q and PPAP | Active | 600 | 10 | 3 | 600 | - | 500 | 500 | 4170 | PDIP-6 |
| MOC3062TVM | 0.4851 | Pb-free<br>non AEC-Q and PPAP | Active | 600 | 10 | 3 | 600 | - | 500 | 500 | 4170 | PDIP-6 |
| MOC3062VM | 0.48 | Pb-free<br>non AEC-Q and PPAP | Active | 600 | 10 | 3 | 600 | - | 500 | 500 | 4170 | PDIP-6 |

For more information please contact your local sales support at www.onsemi.com.

Created on: 10/23/2021