

PCB-Mount High-Voltage Reed Relay (MVR Series Up to 10kV)

Model: MVR-700 / MVR Series

Product Overview

Compact PCB-mounting high-voltage reed relays with 5kV to 10kV standoff voltage for automated test equipment (ATE) and solar inverters.

Key Features

- Printed circuit board (PCB) direct pin mounting package
- Breakdown voltage across open contacts: 5kV to 10kV DC
- High-frequency switching speed: operate time < 2.0 ms
- Magnetic shielding layer minimizes magnetic cross-talk in dense matrix arrays
- Flame-retardant epoxy encapsulation meeting UL 94 V-0

Typical Applications

- Automotive & Commercial Vehicles
- Industrial Machinery & Automation
- Electric Vehicles (EV & FCEV)
- Safety Interlocks & Control Systems

Technical Specifications

Parameter	Specification / Technical Value
Dielectric Standoff	5,000V to 10,000V DC
Switching Voltage	Max 7,500V DC
Switching Power	50W
Coil Voltage	5V, 12V, 24V DC
Operate Time	< 2.0 ms
Package Type	PCB Through-Hole Mount with Internal Shield