

KT Series / High Isolation Reed Relays

DESCRIPTION

The KT Relay Series is designed for applications with high isolation and limited space as required in solar technology applications. This new relay series is available in surface mount design and through hole versions.

FEATURES

- High Isolation characteristic
- Small dimensions
- High isolation voltage
- Surface mount design
- PCB through hole mounting
- Hermetically sealed thermoset molded encapsulation
- Dynamically tested contacts
- Millions of reliable operations

APPLICATIONS

- Hybrid Cars
- E-bike (electric bike)
- Solar collectors

MARKETS

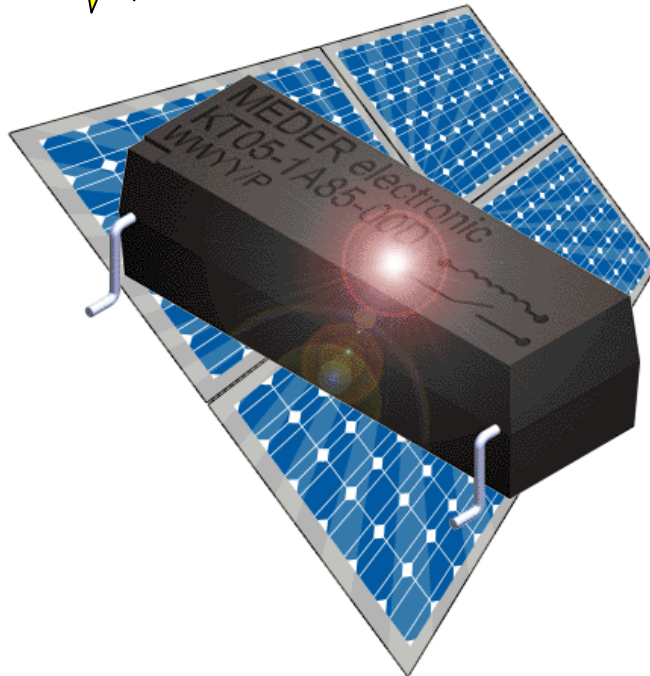
- Photovoltaic
- Solar industry

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$R_{iso} 10E+13\Omega$



*Compact High Isolation
Surface Mount Relay Series
Switch Green!*

SPECIFICATIONS

- Coil voltage: 5V, 12V, 24V
- Contact form: 1A (Normally Open)
- Contact rating: 100W
- Contact resistance: 150 mΩ
- Switching voltage: 1000 VDC
- Switching current: 1A
- Breakdown voltage (across the switch):
2 – 5 kVDC (AT conditional)
- Isolation voltage (Coil-Contact):
 ≥ 7 kVDC
- Isolation resistance: $10E+13\Omega$
- Operating temperature: $-40^{\circ}\text{C} - +125^{\circ}\text{C}$

MEDER electronic's new KT Relay series integrates high technology packed into a small footprint. Available in either surface mount or through hole mounting, the KT relay measures just 30x8.6x10.6mm. Additionally, the KT Relay series offer excellent isolation resistance at $\geq 10E+13\Omega$ and an isolation voltage between the coil and contact of ≥ 7 kVDC.

Both its high isolation characteristics and very small size make these KT relays highly suitable for green applications such as solar photovoltaic technology. They are particularly helpful in measuring isolation resistance across several components within a solar system prior to grid connection preventing injury or further current leakages.