

CADDOCK

ELECTRONICS, INCORPORATED

• High Performance Film Resistors, Resistor Networks and Custom Resistive Devices •

Press Release

Caddock Introduces:

Type VMR Transient Tolerant Voltage Monitoring Resistors

For Industrial and Commercial Power Quality and Power Metering Applications

Maintains excellent precision and stability when exposed to severe electrical transient abuse (Overloads and Impulses) and Extreme Environmental Conditions

- **Non-Inductive Designs**
- **Operating Voltage Ratings from 250 Volts ACrms up to 2000 Volts ACrms**
- **Transient Voltage Capability up to 15 kV peak**
- **Temperature Coefficient: ± 25 ppm/ $^{\circ}$ C or ± 50 ppm/ $^{\circ}$ C, but available to as tight as ± 5 ppm/ $^{\circ}$ C**
- **Absolute Tolerance: 0.1% to 1% (tighter tolerances are available)**
- **Resistances from 500 Kohm to 10 Megohm**
- **Availability: Engineering Evaluation Samples FAST, 6 weeks**



Caddock is pleased to announce the NEW Type VMR Transient Tolerant Voltage Monitoring Resistors. These Precision Film Resistors are designed for use in the voltage measurement circuits of Power Quality Meters, Kilowatt-Hour Meters, Power and Energy Measurement Equipment, and other devices where precision electrical service voltage monitoring is required.

Caddock's Transient Tolerant Precision Resistors are manufactured with Tetrinox[®], Caddock's Ultra-Stable, Low TC, Resistance Film System. The Tetrinox[®] Resistance Film System combined with Caddock's Ceramic Sandwich Construction provides for the exceptional transient capability and the outstanding long term stability

of these Transient Tolerant Precision Resistors. Caddock's Ceramic Sandwich Construction also provides excellent long term stability in applications that have extreme humidity exposure.

These Type VMR Resistors can be optimized to handle Transient Impulses up to 15 kV electrical power system transient (1.2/50 μ second impulses). Higher Transient voltage handling capability is also possible in other Caddock products.

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