

## Press Release

### **Caddock Introduces: Type VMN Transient Tolerant Voltage Monitoring Networks Resistor Voltage Divider Networks 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**

- **Operating Voltage Ratings** from 250 Volts ACrms up to 2000 Volts ACrms
- **Transient Voltage Capability** up to 15 kV peak
- **Ratio Temperature Coefficient:**  $\pm 15$  ppm/ $^{\circ}$ C or  $\pm 25$  ppm/ $^{\circ}$ C, but available to as tight as  $\pm 5$  ppm/ $^{\circ}$ C
- **Ratio Tolerance:** 0.10% to 1% (Ratio tolerances to as tight as 0.02% are available)
- **Resistances** from 500K ohm to 10 Megohm
- **Ratios** from 10:1 to 1000:1
- **Non-Inductive Designs**
- **Availability:** Engineering Evaluation Samples FAST, 7 weeks.

Caddock is pleased to announce Type VMN Transient Tolerant Voltage Monitoring Resistor Networks. These Precision Film Resistor Networks 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 Resistor Networks are manufactured with Tetrinox<sup>®</sup>, Caddock's Ultra-Stable, Low TC, Resistance Film System. The Tetrinox<sup>®</sup> 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 VMN Resistor Networks can be optimized to handle Transient Impulses from 6 kV up to 15 kV electrical power system transient (1.2/50  $\mu$ second impulses). Even higher Transient voltage handling capability is also possible in other Caddock resistor products.

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