

High Performance Film Resistors, Resistor Networks and Custom Resistive Devices

Introducing Caddock's Type HVD Low Ratio TC, Ultra-Precision High Voltage Dividers

- Three Models with Voltage Ratings of 1500 VDC, 2500 VDC, and 5000 VDC
- Voltage Divider Ratios of 100:1 and 1000:1
- Ratio Tolerance of ±0.05%
- Ratio Temperature Coefficient: ±5 ppm/°C max. from -40°C to +85°C
- Ratio Voltage Coefficient: as low as 0.02 ppm/V

Caddock is pleased to announce the Type HVD Ultra-Precision High Voltage Divider Networks developed for use in the most demanding Precision Analog Electronics Applications. The Type HVD is available in three models with max. voltage ratings (total resistance) of: 1500 VDC (10 Megohm), 2500 VDC (20 Megohm), and 5000 VDC (50 Megohm).



The Type HVD Voltage Dividers are manufactured with an alumina (aluminum oxide) ceramic sandwich construction that offers exceptional thermal performance. The excellent thermal conductivity of the alumina sandwich construction provides good heat flow away from the resistor element minimizing the temperature rise in the resistor due to power dissipation. The outstanding thermal properties of the alumina sandwich construction provide extremely stable operating performance as voltage is applied to the divider.

The Type HVD Voltage Dividers are available with voltage ratings, resistance values, and voltage division ratios that are ideal for a wide variety of Precision Analog Instrumentation Applications. Typical applications include Analytical instruments, Laboratory Equipment, and Precision "high voltage" DVM's.

- 3 Models with Voltage Ratings from 1500 VDC, 2500 VDC, and 5000 VDC at +85°C Voltage Ratings:
- Division Ratios: 100:1 and 1000:1
- Ohm Values: 10 Megohm (1500 VDC), 20 Megohm (2500 VDC) and, 50 Megohm (5000 VDC)
- 5ppm/°C (max.) from -40°C to +85°C ref. to +25°C Ratio TC:
- Ratio VC: as low as 0.02ppm/V (max.), measured from 10% max. voltage to 100% max. voltage ±0.05%
- Ratio Tolerance:
- · Loadlife Stability: 1,000 hours at rated voltage/power at +85°C, Ratio Change 0.02%, max.
- Availability: Available Now with Lead Times: Stock (Engineering Samples) to 6 weeks ARO

For Higher Voltage Applications, up to 20 KVDC, see Caddock's Type THV Precision High Voltage Dividers and Type TG Low TC High Voltage Resistors.

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