

CDMA - Thick Film Chip Dividers, Medium Voltage AEC-Q200 Medium Voltage Resistor with Wide Resistance Range for High Precision and Low TCR Tracking



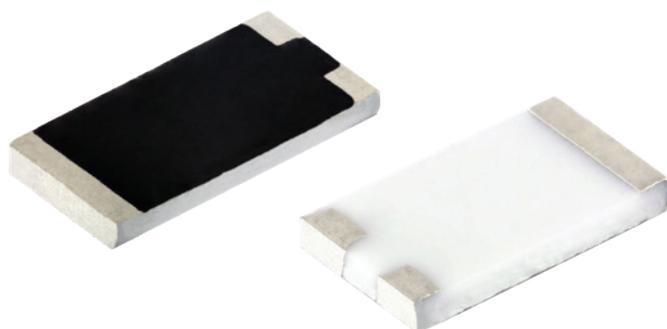
ADVANTAGE



The CDMA offers designers a cost-effective option to improve designs, reduce component counts, and help reduce the size of the circuit board and placement costs.

KEY PRODUCT FEATURES

- ✓ AEC-Q200 qualified thick film voltage divider with high voltage handling capability (up to 1415 V)
- ✓ High accuracy ($\pm 0.5\%$) and stability (10 ppm/°C)
- ✓ Reduced footprint compared to traditional solutions



MARKETS AND APPLICATIONS



MOBILITY

- Battery Management
- Voltage Dividers
- Voltage Monitoring
- Electric Vehicle Charging



INDUSTRIAL

- Voltage Monitoring
- High Voltage Regulators



MEDICAL

- Voltage Control

DID YOU KNOW...

While TCR tracking and efficiency of individual resistors in a voltage divider circuit can deviate, the CDMA utilizes a single film print with dual resistive elements. This ensures minimal drift and aging, while providing excellent TCR / VCR tracking over a wide temperature range.

RESOURCES



Contact Us



Product Page

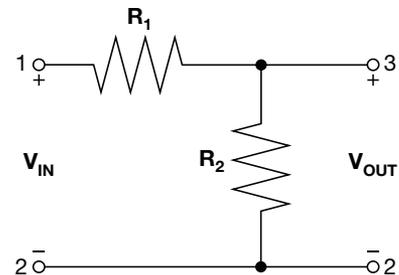
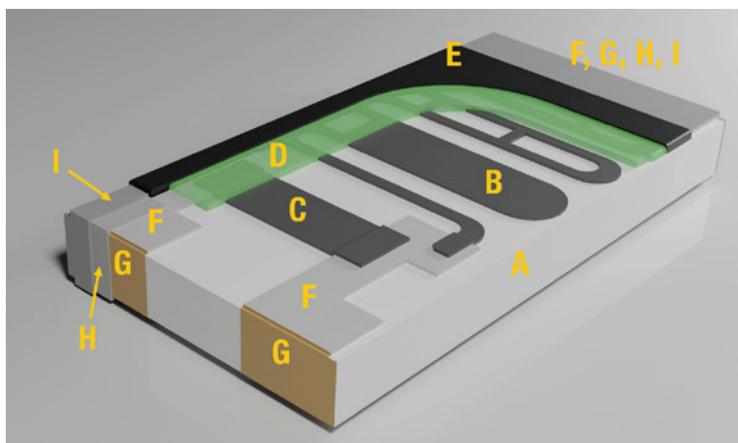


3D Models

VOLTAGE COEFFICIENTS AND RATIO TRACKING INFORMATION (Typical)

RESISTANCE (Ω)	RATIO (MAXIMUM)	RATIO (MAXIMUM)	RATIO TRACKING (ppm/ $^{\circ}$ C) -55 $^{\circ}$ C TO +155 $^{\circ}$ C
500 K	100:1	-10	± 20
15 M	250:1	-10	± 10
50 M	600:1	-10	-50 to 0

Note: Contact factory for other ratios

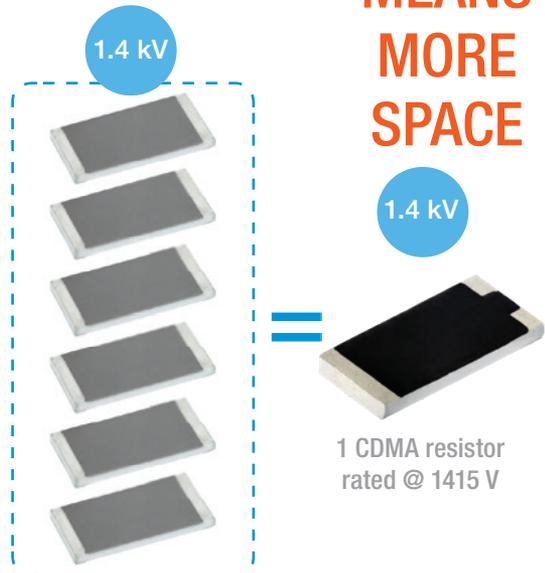


- A** - Ceramic (alumina)
- B** - R1
- C** - R2
- D** - Dielectric
- E** - Epoxy topcoat
- F** - Thick film conductors
- G** - Sputter wrap
- H** - Nickel barrier (electroplated)
- I** - Tin layer (electroplated)

5 - 15
STANDARD
RESISTORS

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1
CDMA
MEANS
MORE
SPACE



The Automotive Grade performance, excellent TCR tracking, stability, and higher voltage makes the CDMA an ideal choice for electric vehicle battery management systems. Please **contact us** if you would like to **purchase or order samples**.