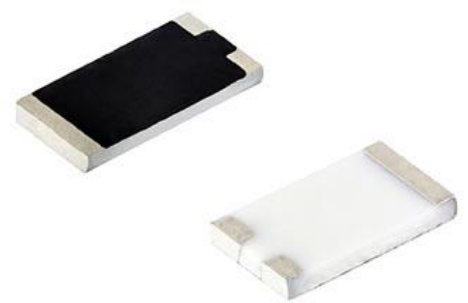


CDMA Series Automotive Grade Thick Film Chip Resistors Offer Maximum Working Voltage of 1415 V in Compact 2512 Case Size, Reduce Component Counts and Improve Accuracy and Stability for Automotive and Industrial Applications

Product Benefits:

- Compact 2512 case size
- High working voltages up to 1415 V
- AEC-Q200 qualified
- Wide resistance range from 500 kΩ to 50 MΩ
- Maximum standard resistance ratios to 600:1
- Tolerances down to $\pm 0.5\%$
- TCR tracking as low as ± 10 ppm/°C
- 3-sided wraparound termination configuration, with solder-coated nickel barrier terminations standard
- RoHS-compliant and halogen-free



Market Applications:

- Voltage monitoring and overvoltage protection in high power DC/DC converters and inverters, on-board chargers, and battery management systems in electric vehicles (EV) and industrial equipment

The News:

Vishay Intertechnology introduces a new series of Automotive Grade thick film chip resistors in the compact 2512 case size with high working voltages up to 1415 V. The Vishay Techno CDMA series devices are designed to lower component counts and placement costs for automotive and industrial applications, while reducing PCB sizes and providing increased accuracy and stability.

- Consisting of two resistors integrated into a single package with a 5 mm creepage distance, CDMA series chip dividers provide single-component replacements for multiple discrete resistors used in voltage divider applications

The Key Specifications:

- Case size: 2512
- Power rating $P_{70\text{ }^\circ\text{C}}$: 1 W
- Maximum working voltage: 1415 V
- Resistance range: 500 kΩ to 50 MΩ
- Tolerance: $\pm 0.5\%$, $\pm 1\%$, $\pm 2\%$, $\pm 5\%$, $\pm 10\%$
- Resistance ratios: 100:1 to 600:1
- TCR tracking: ± 10 ppm/°C to ± 50 ppm/°C



NEW PRODUCT INFORMATION



Product Group: Vishay Techno, Thick Film Resistors / January 2023

Availability:

Samples and production quantities of the CDMA series devices are available now, with lead times of 14 weeks.

To access the product datasheet on the Vishay Website, go to

<http://www.vishay.com/ppg?68049> (CDMA)

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