CADDOCK
ELECTRONICS, INCORPORATED

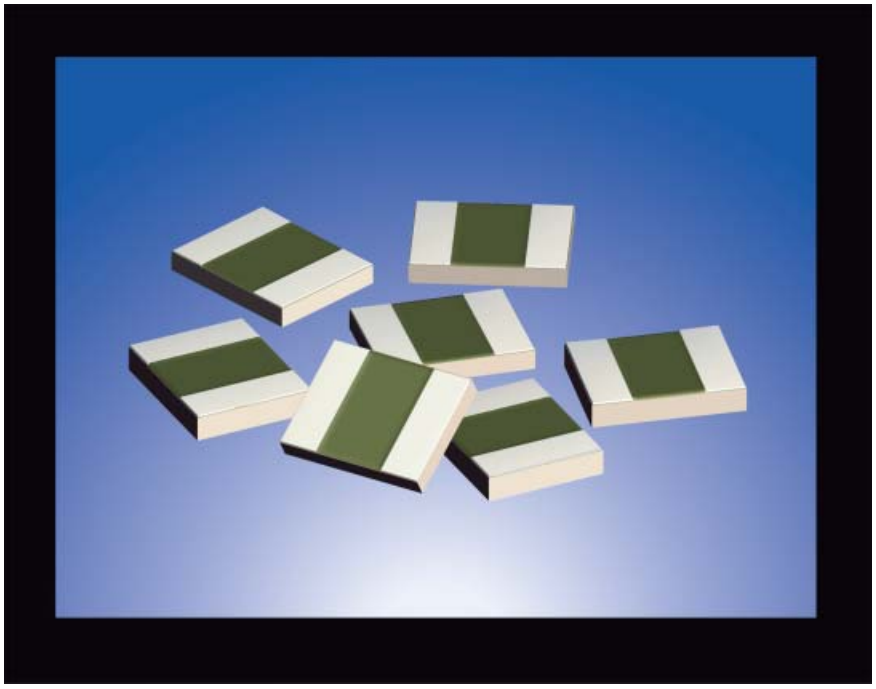
• High Performance Film Resistors, Resistor Networks and Custom Resistive Devices •

Introducing Model CC1512FC: Current Sense Chip Resistor
Compact 1512 Footprint, 0.010 ohm to 10 ohm, High Power Capability

Caddock Electronics is pleased to announce the Model CC1512FC, a Compact, Low-Value, Chip Resistor for current sensing applications. The CC1512FC offers non-inductive performance and is available in standard values from 0.010 ohm to 10 ohm. The CC1512FC features low thermal resistance from the resistance film to the terminations, Rth = 22.7°C/W, which allows designers to take full advantage of high thermal conductivity substrates such as IMS, and Ceramics. This low thermal resistance allows the CC1512FC to run cooler on conventional FR-4 pcb's and take advantage of thermal vias and larger pad and trace areas. The Micronox® Film System makes possible a truly non-inductive current path that offers outstanding HF performance and pulse handling capabilities. Typical applications include: Power Supplies, Battery Chargers, Motor Controls, and other power electronics.

CC1512FC: Flip Chip style for Solder Reflow SMT Applications

- Resistance Range: 0.010 ohm to 10.0 ohm
- Tolerance: 0.010 to 0.049 ohm: ±5%, 0.050 to 0.099 ohm: ±2%, 0.10 ohm and above: ±1%
- Power Ratings: General Applications on Glass Epoxy PCB Boards: 0.75 Watts at 70°C Ambient Temperature, High Power Applications limited by Thermal Resistance of substrate
  Higher Power Dissipation possible on IMS, Ceramic and advanced thermal substrate designs
- Availability: Lead Time 6 weeks ARO , Engineering and Prototype Quantities from Stock
- Packaging: Tape and Reel Packaging: 1500 pieces per reel



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