

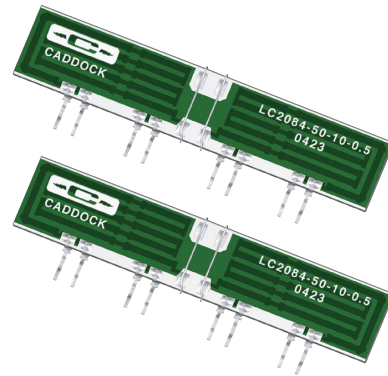
# LC2000 Series Transient Tolerant Precision Resistor Networks – Standard and Custom

## Telephone Line Interface Resistors for Telephone Line Card Applications

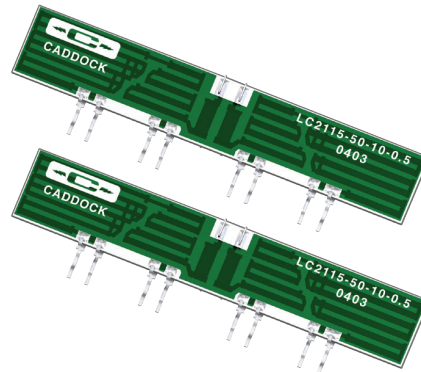
Caddock has a variety of standard telephone line interface resistor networks. Please call Caddock Applications Engineering so we can send you the product drawing for the product which meets the need of your application. These networks are designed to meet the applicable requirements of GR-1089-CORE and ITU-T K.20 as described in each product drawing. Please call for assistance.

Some of the performance features of the LC2000 Series Telephone Line Interface Resistor Networks are:

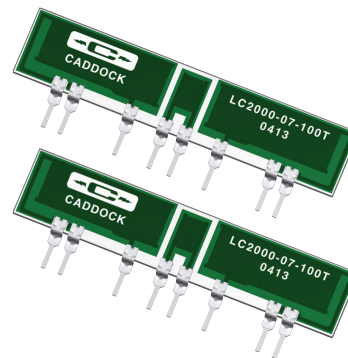
- **Lightning Transient Handling** while maintaining Precision Ratio Tolerance.
- **Quick Fail-Safe Performance** when exposed to Cold Start Voltages of 120 VAC, 240 VAC, or 600 VRMS AC. Protects Telephone System Wiring from damage or ignition.
- Available with optional Spring Thermal Cutoff Protection mounted on the resistor network substrate. When excessive low voltage power cross causes excessive heating in the Resistor Network, the Spring Thermal Cutoff opens the circuit and protects the circuit board from heat damage or ignition.
- Available with optional Thermistor Temperature Sensing Element for controlling a relay circuit which disconnects the excessive low voltage overload, protecting the circuit board from heat damage.
- **Resistance:** 24 $\Omega$  Pair, 30 $\Omega$  Pair, 40 $\Omega$  Pair, 50 $\Omega$  Pair, 100 $\Omega$  Pair, 200 $\Omega$  Pair, or Custom Values.
- **Precision Ratio Tolerance** of 0.25%, 0.5%, or 1.0%
- **Operating Temperature:** -40°C to +85°C.



Precision Resistor Pairs



Thermal Cutoff Protection Available

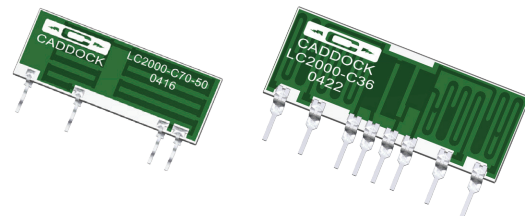


Thermistor Element for Temp. Sensing Available

Certain products shown in this catalog are covered by one or more patents, there are also patents pending.

## Design Assistance in Developing Custom Transient Tolerant Resistor Networks

For immediate engineering assistance on the custom precision resistor network configuration that can best meet your needs, contact our Applications Engineering and we will be pleased to provide design assistance, technical performance information, and pricing information.



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