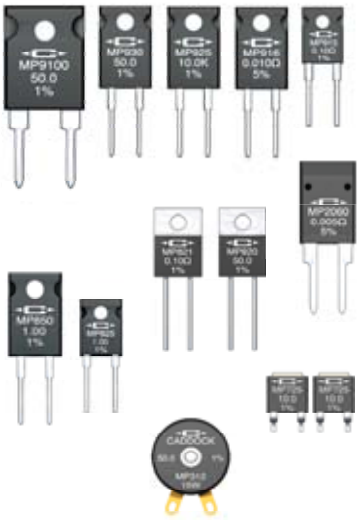
Power Resistors, Heat Sink Mountable with Non-Inductive Designs



MP915, MP916, MP925, MP930, and MP9100 TO-Style Power Film Resistors
Model MP915, 15 Watts, TO-126 All Molded Package, Resistance 0.020 ohm to 1.00 K
Model MP916, 16 Watts, TO-220 All Molded Package, Resistance 0.010 ohm to 0.019 ohm
Model MP925, 25 Watts, TO-220 All Molded Package, Resistance 5.00 K to 100 K
Model MP930, 30 Watts, TO-220 All Molded Package, Resistance 0.020 ohm to 4.99 K
Model MP9100, 100 Watts, TO-247 All Molded Package, Resistance 0.050 ohm to 100 ohms

MP2060 Power Film Resistor, Clip Mount, in the TO-220 Style Power Package
60 Watts, up to 60 Amps maximum, TO-220 All Molded Package,
Resistance 0.005 ohm to 1.00 K

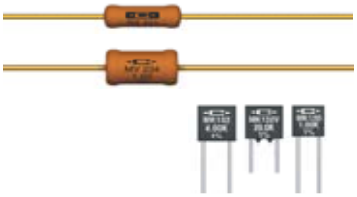
MP820 and MP821 Power Film Resistors in the TO-220 Style Power Package
20 Watt Power Resistor, Power Package with Metal Mounting Tab
Resistance 0.020 ohm to 10.0 K

MP825 and MP850 Power Film Resistors, TO-126 and TO-220 Style Power Package
Model MP825, 25 Watts, Integral Copper Heat Sink, Resistance 0.020 ohm to 10.0 K
Model MP850, 50 Watts, Integral Copper Heat Sink, Resistance 0.200 ohm to 10.0 K

MP725 Surface Mount Power Film Resistor in a D-Pak Style Power Package
25 Watt Power Resistor, D-Pak Style Power Package for Surface Mount Applications
Resistance 0.020 ohm to 1.00 K

MP312 and MP330 Power Film Resistors
15 Watt and 30 Watt Ratings with Center Screw Chassis Mounting, +275°C max. operating temp.

Power Resistors, Axial Leads and Radial Leads with Non-Inductive Designs

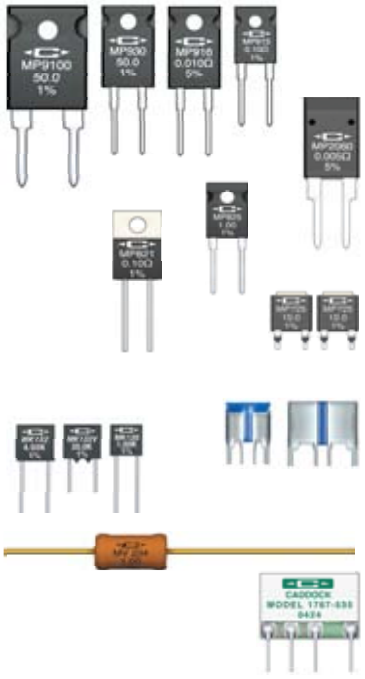


Type MS Power Film Resistors
Power Rating to 22 Watts, Voltage Rating to 6000 Volts,
Max. Temperature +275°C, Non-Inductive Design, 18 Models

Type MV Low Resistance Power Film Resistors
Resistance from 0.1 ohm to 50 ohms, Power Rating to 10 Watts
Max. Temperature +275°C, Non-Inductive Design

MK132 and MK120 Precision Power Film Resistors with Non-Inductive Design
3/4 Watt at 400 Volts Max. and 1/2 Watt at 200 Volts Max. at +125°C,
Resistance 1 ohm to as high as 5 Megohms

Current Sense, Low Resistance with Non-Inductive Designs



MP915, MP916, MP930 and MP9100 TO-Style Power Film Resistors
Model MP915, 15 Watts, TO-126 All Molded Package, Resistance down to 0.020 ohm
Model MP916, 16 Watts, TO-220 All Molded Package, Resistance down to 0.010 ohm
Model MP930, 30 Watts, TO-220 All Molded Package, Resistance down to 0.020 ohm
Model MP9100, 100 Watts, TO-247 All Molded Package, Resistance down to 0.050 ohm

MP2060 Clip Mount Power Film Resistor in the TO-220 Style Power Package
60 Watts, up to 60 Amps maximum, TO-220 All Molded Package, Resistance down to 0.005 ohm

MP825 Power Film Resistor, TO-126 Style Power Package
25 Watts, Integral Copper Heat Sink, Resistance as low as 0.020 ohm

MP821 Power Film Resistors in the TO-220 Style Power Package
20 Watt Power Resistor, Power Package with Metal Mounting Tab
Resistance **as low as 0.020 ohm at 1% tolerance**

MP725 Surface Mount Power Film Resistor in a D-Pak Style Power Package
25 Watt Power Resistor, D-Pak Style Power Package for Surface Mount Applications
Resistance **as low as 0.020 ohm**

Type SR Precision Current Sense Resistors
Compact Design with Kelvin Terminals, Absolute tolerance of 1%,
1 and 2 Watt Versions at +70°C, Resistance Values 0.005 ohm to 1.00 ohm

MK132 and MK120 Precision Power Film Resistors
3/4 and 1/2 Watt Ratings at +125°C, Resistance as low as 1 ohm

Type MV Low Resistance Power Film Resistors
Resistance as low as 0.1 ohm, Power Rating to 10 Watts,
Max. Temperature +275°C

Type 1787 Precision Current Sense Resistor Networks
3 and 4-step Current Sense Resistor Networks for Current Sensing in
Multi-Range Instrumentation, Absolute Tolerance of 0.25% to 0.05%

Applications Engineering
17271 North Umpqua Hwy.
Roseburg, Oregon 97470-9422
Phone: (541) 496-0700
Fax: (541) 496-0408

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1717 Chicago Avenue
Riverside, California 92507-2364
Phone: (951) 788-1700
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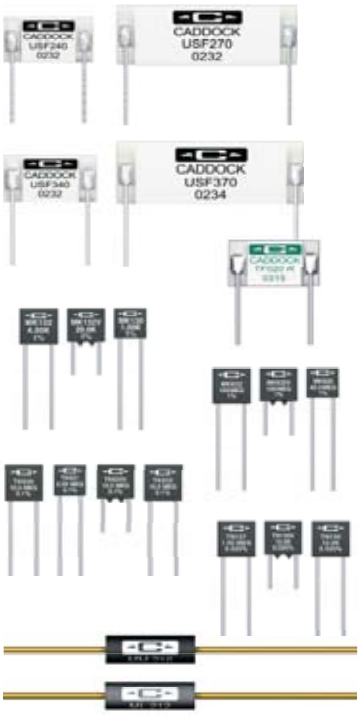
CADDOCK

High Performance Film Resistors

Product Overview

Precision and Ultra-Precision Discrete Resistors



Type USF 200 Series Ultra-Stable Low TC Ultra-Precision Film Resistors
Standard Resistance Values from 50 Ω to 10 Megohm
Max Absolute TC of 2ppm/°C, -40°C to +85°C referenced to +25°C
Tolerance 0.01% or 0.1%
Votlage Ratings from 300 Volts to 2500 Volts

Type USF 300 Series Ultra-Stable Low TC Ultra-Precision Film Resistors
Standard Resistance Values from 50 Ω to 20 Megohm
Max Absolute TC of 5ppm/°C -40°C to +85°C referenced to +25°C
Tolerance 0.01% or 0.1%
Votlage Ratings from 300 Volts to 2500 Volts

Type TF Low TC Ultra-Precision Film Resistors
Tolerance to 0.01% Resistance Range from 1 Kohm to 125 Megohms,
Temperature Coefficient 5, 10 or 15 ppm/°C from -15°C to +105°C

Type TK Military Temp Range, Precision Low TC, Radial-Lead Film Resistors
Tolerance 0.1% to 0.05%, Resistance Range from 1 Kohm to 10 Megohms,
Temperature Coefficient of 5, 10 or 20 ppm/°C from -55°C to +125°C

Type TN Lab Grade, Precision Low TC, Radial-Lead Film Resistors
Tolerance 0.1% to 0.025%, Resistance Range from 1 Kohm to 1 Megohm
Temperature Coefficient of 5, 10, or 20 ppm/°C from 0°C to +70°C

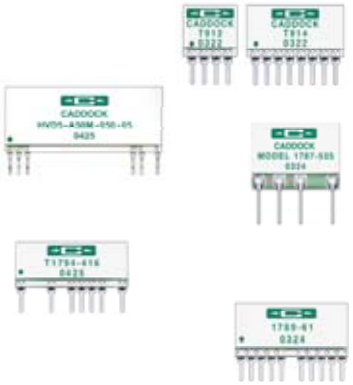
MK132 and MK120 Precision Power Film Radial-Lead Resistors
Tolerance 1.0% to 0.1%, 3/4 and 1/2 Watt Ratings at +125°C, 1 ohm to 5 Megohms

MK632 and MK620 Extended Resistance Range Radial-Lead Film Resistors
Tolerance 1.0% to 0.1%, Resistance Range from 2.1 Megohms to 100 Megohms

Type MM Precision Film Resistors
Tolerance 1.0% to 0.1%, High Temperature Resistors for Geophysical, Aerospace and Industrial Requirements

Type ML Precision Film Resistors
Tolerance 1.0% to 0.1%, Resistors for Aerospace and Industrial Requirements

Precision and Ultra-Precision Resistor Networks and Custom Resistor Networks



Type T912 and T914 Precision and Ultra-Precision Networks with Low Ratio TC
Two Resistor and Four Resistor Networks with Precise Ratio Performance,
Ratio Tolerance from 0.1% to 0.01%, Ratio TC 10 ppm/°C to 2 ppm/°C

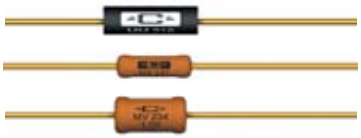
Type 1776 Precision Decade Resistor Voltage Dividers
39 Models of Input Voltage Dividers for Digital Multimeters and other
Range-Switching Circuits, Ratio Tol. 0.5% to 0.02%, Ratio TC 50 ppm/°C to 5 ppm/°C

Type 1787 Precision Current Sense Resistor Networks
3 and 4-step Current Sense Resistor Networks for Current Sensing in
Multi-Range Instrumentation, Absolute Tolerance of 0.25% to 0.05%

Type T1794 Custom Low Ratio TC, Precision SIP Resistor Networks
Ratio TC to 5 ppm/°C, Ratio Tolerance to 0.01%,
Resistance Range from 500 ohms to 50 Megohms

Type 1789 Custom Low Resistance Value, Precision SIP Resistor Networks
Ratio TC to 15 ppm/°C, Ratio Tolerance to 0.05%,
Resistance Range from 0.5 ohm to 10,000 ohms

High Temperature Resistors, 275°C, Non-Inductive Designs are available



Type MM Precision Film Resistors
High Temp. Resistors for Geophysical, Aerospace, and Industrial, Max. Temp. +275°C

Type MS Power Film Resistors
Power Rating to 22 Watts, Max. Temperature +275°C, Non-Inductive Design, 18 Models

Type MV Low Resistance Power Film Resistors
Resistance from 0.1 ohm to 50 ohms, Power Rating to 10 Watts,
Max. Temp. +275°C

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High Voltage Resistors, Low TC and Precision

Type USG Ultra-Stable Low TC Precision High Voltage Resistors
Temperature Coefficient of 10 ppm/°C from -40°C to +85°C

Type TG Low TC Precision High Voltage Resistors
Temperature Coefficient of 25 ppm/°C from -55°C to +125°C

Type MG Precision High Voltage Resistors with Extended Resistance Range
Resistance Value to as high as 10,000 Megohms, TC of 80 ppm/°C

Type MX Precision High Voltage Resistors
High Voltage Resistors for Industrial and Laboratory Applications

Voltage Dividers, Precision and Ultra-Precision, Input Voltage Rating up to 20,000 Volts

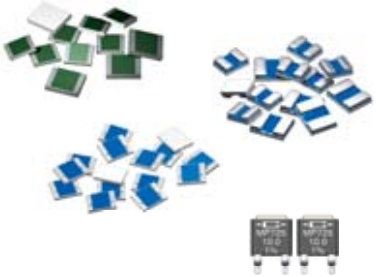
Type THV Precision High Voltage Divider Networks
Ratio Temperature Coefficient to 10 ppm/°C from -55°C to +125°C
Ratio Tolerance to 0.25% at 10 KVDC, 15 KVDC or 20 KVDC

Type HVD Ultra-Precision Voltage Divider Networks
Up to 5KVDC, Ratio Temperature Coefficient 5 ppm/°C from -40°C to +85°C, Ratio Tol. of 0.05%

Type USVD Ultra-Precision Voltage Divider Networks
Up to 2KVDC, Ratio Temperature Coefficient 2 ppm/°C from -40°C to +85°C, Ratio Tol. to 0.01%

Type 1776 Precision Decade Resistor Voltage Dividers for Range Switching Instruments
39 Models up to 1200 volts, Voltage Division of 10,000:1, 1,000:1, 100:1, 10:1.
Ratio Tol. 0.5% to 0.02%, Ratio TC 50 ppm/°C to 5 ppm/°C

Surface Mount Resistors for SMT Applications



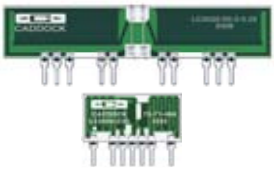
Type CC Low Resistance Precision Chip Resistors
Resistance range down to 0.010 ohm at ±5%, 0.050 ohm at ±2%, and 0.10 ohm at ±1%,
Style FC and Style WB. Sizes 1512, 2015, and 2520

Type CD Low Resistance Precision Chip Resistors with Pedestal Terminals
Tolerance ±1% for all resistance values, Resistance range 0.010 ohm to 0.20 ohm,
Style FC and Style WB. Sizes 2015, and 2520

Type CHR High Resistance Precision Chip Resistors Size 2520, Style FC
Resistance range 10 Meg to 100 Meg, Tolerance 1%
Temperature Coefficient of 25 ppm for values up to 25 Meg

MP725 Surface Mount Power Film Resistor in a D-Pak Style Power Package
25 Watt Power Resistor, D-Pak Style Power Package for Surface Mount Applications
Resistance 0.020 ohm to 1.00 K

Telephone Line Interface Resistor Networks and Custom Resistor Networks



LC2000 Series Standard Transient Tolerant Precision Resistor Networks
Lightning Transient Handling with Optional Thermal Cut-off Protection or Optional
Thermistor Temperature Sensing Element for Telephone Line Card Applications
Resistor Networks available which meet the requirements of GR-1089-CORE and ITU-T K.20

LC2000 Series Custom Transient Tolerant Resistor Networks
Lightning Transient Handling Custom Resistor Networks for Telephone Line Card Applications

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