

MP900 and MP9000 Series Kool-Pak®

Power Film Resistors TO-126, TO-220 and TO-247 Style

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Low Cost Heat Sink Mountable Design featuring an Exposed Ceramic Heat Dissipating Mounting Surface

Use your thermal design experience with power semiconductors in TO-126, TO-220, and TO-247 style power packages to help you get the most out of this unique family of power resistors. The thermal design issues are the same where power handling capability is based on the case temperature which is maintained in your design.

MP915 TO-126 Style Power Package

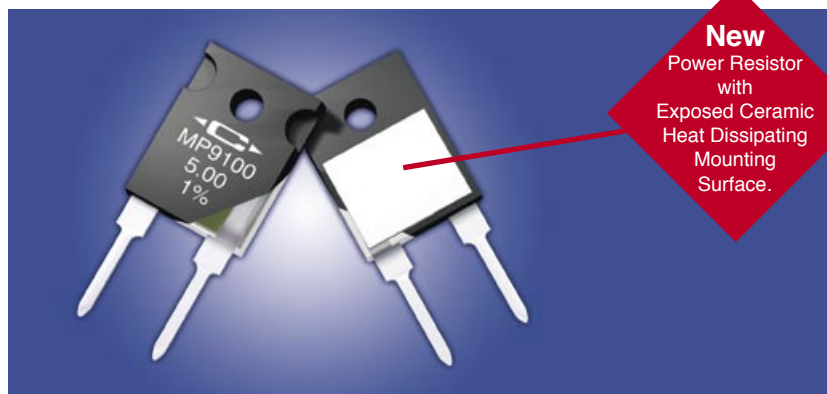
- **15 Watts at +25°C Case Temperature**, derated to zero at +150°C.
- **Exposed Ceramic Heat Dissipating Mounting Surface.**
- **Resistance Range of 0.020 ohm to 1 K.**
- **Non-Inductive Design.**

MP916, MP925, and MP930 TO-220 Style Power Package

- **Up to 30 Watts at +25°C Case Temperature**, derated to zero at +150°C.
- **Exposed Ceramic Heat Dissipating Mounting Surface.**
- **Resistance Range of 0.010 ohm to 100 K.**
- **Non-Inductive Design.**

MP9100 TO-247 Style Power Package

- **100 Watts at +25°C Case Temperature**, derated to zero at +175°C.
- **Exposed Ceramic Heat Dissipating Mounting Surface.**
- **Resistance Range of 0.050 ohm to 100 ohm.**
- **Non-Inductive Design.**



New
Power Resistor
with
Exposed Ceramic
Heat Dissipating
Mounting
Surface.

MP916 Standard Resistance Values:

Tolerance MP916 ±5% Standard (20% is available).

0.010 Ω 5%
0.015 Ω 5%

MP915, MP925, and MP930 Standard Resistance Values:

Tolerance MP915, MP925, and MP930 ±1% Standard - except as noted. (5% and 20% are available for most resistance values).

0.020 Ω 5%	0.33 Ω	7.50 Ω	50.0 Ω	500 Ω	10.0 K
0.025 Ω 5%	0.40 Ω	8.00 Ω	56.0 Ω	560 Ω	15.0 K
0.030 Ω 5%	0.50 Ω	10.0 Ω	75.0 Ω	750 Ω	20.0 K
0.033 Ω 5%	0.75 Ω	12.0 Ω	100 Ω	1.00 K	25.0 K
0.040 Ω 5%	1.00 Ω	15.0 Ω	120 Ω	1.50 K	30.0 K
0.050 Ω	1.50 Ω	20.0 Ω	150 Ω	2.00 K	33.0 K
0.075 Ω	2.00 Ω	25.0 Ω	200 Ω	2.50 K	40.0 K
0.10 Ω	2.50 Ω	27.0 Ω	250 Ω	3.00 K	47.0 K
0.15 Ω	3.00 Ω	30.0 Ω	300 Ω	3.30 K	50.0 K
0.20 Ω	3.30 Ω	33.0 Ω	330 Ω	4.00 K	56.0 K
0.25 Ω	4.00 Ω	40.0 Ω	400 Ω	5.00 K	68.0 K
0.30 Ω	5.00 Ω	47.0 Ω	470 Ω	7.50 K	75.0 K
					82.0 K
					100 K

MP9100 Standard Resistance Values:

Tolerance MP9100 ±1% Standard.

0.050 Ω	0.40 Ω	3.30 Ω	20.0 Ω	56.0 Ω
0.075 Ω	0.50 Ω	4.00 Ω	25.0 Ω	75.0 Ω
0.10 Ω	0.75 Ω	5.00 Ω	27.0 Ω	100 Ω
0.15 Ω	1.00 Ω	7.50 Ω	30.0 Ω	
0.20 Ω	1.50 Ω	8.00 Ω	33.0 Ω	
0.25 Ω	2.00 Ω	10.0 Ω	40.0 Ω	
0.30 Ω	2.50 Ω	12.0 Ω	47.0 Ω	
0.33 Ω	3.00 Ω	15.0 Ω	50.0 Ω	

For custom resistance values and tolerances contact applications engineering.

Ordering Information:

MP915 - 50.0 - 1%
Model Number: Tolerance
Resistor Value:

Packaging: MP915, MP916, MP925, MP930 resistors are packaged in plastic shipping tubes, 50 pieces per tube. These resistors are available in a 50 piece minimum quantity and in full tube quantity increments (i.e. 50, 100, 150, etc.). The MP9100 resistors are packaged in plastic shipping tubes, 25 pieces per tube.

Construction of MP900 and MP9000 Series:

The MP900 and MP9000 Series Kool-Pak® Power Film Resistors are constructed with Caddock's Micronox® resistance film fired onto a flat ceramic substrate. The terminal attachment and resistance element geometry are configured to provide outstanding non-inductive performance. The ceramic substrate is positioned in the molded package such that the resistor element and terminal attachment areas on the substrate are encapsulated in the molded body with the other side of the ceramic being exposed flush with the back mounting surface of the device. This construction is covered by one or more issued patents, also patents pending.

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В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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