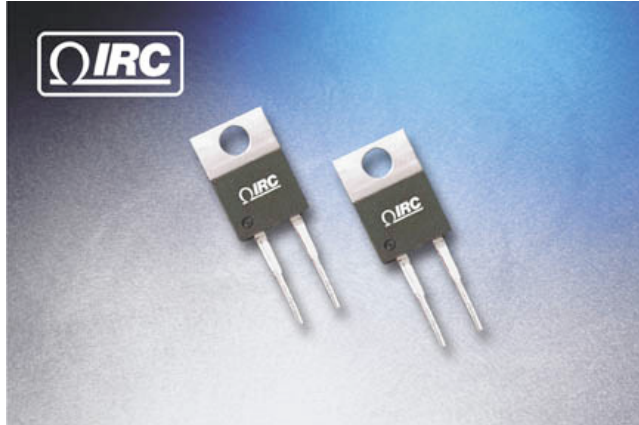


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*TO-220 power resistor ideal for automotive, industrial, high frequency power applications...*

## **IRC's 50W POWER RESISTOR DELIVERS ACCURATE, STABLE PERFORMANCE IN DEMANDING ENVIRONMENTS**

CORPUS CHRISTI, TX (July 20, 2006) — Providing design engineers with a stable high power resistive device for demanding applications, TT electronics IRC Advanced Film Division has developed a 50W power resistor housed in a TO-220 style package. Designated the MHP Series, the power resistor features high stability film resistance elements.

According to Gary Bleasdel, Thick Film Business Unit Director for IRC's Advanced Film Division, the non-inductive design of the resistor makes the device ideal for a variety of applications. "The resistance element is isolated from the copper mounting tab by an alumina ceramic layer that provides a dielectric withstanding voltage of 2000VDC. This construction provides high insulation resistance between the terminals and the tab and very low thermal resistance," said Bleasdel. "Because of this, the resistor is being specified for applications in circuits and power supplies, such as high frequency snubber and pulse handling circuits, motor control and drive circuits, and switch mode power supplies.

## **IRC'S 50W RESISTOR DELIVERS ACCURATE, STABLE PERFORMANCE, PG 2.**

Additional applications for the MHP Series power resistor include load resistors, automotive electronics, industrial power equipment, UPS systems, and industrial computers.

The MHP Series resistors are rated for 50W power dissipation, and feature low inductance (less than 50nH). Resistance range is from 0.01Ω to 220Ω, with standard tolerances of ±1% and ±5%, and TCRs from 50ppm/°C to 250ppm/°C. Thermal resistance for the resistors is 2.3°C/W, and maximum operating voltage is 500V. Operating temperature range is -55°C to +155°C. IRC will also produce devices outside these specifications to meet customer requirements.

Pricing for the MHP Series resistor is \$1.80 each in quantities of 1,000. Lead time is from stock to 6 to 8 weeks.

For datasheets or more information on IRC's MHP Series power resistor, please access the Web site at [www.irctt.com](http://www.irctt.com). For additional information, please contact the TT electronics IRC Advanced Film Division Sales & Marketing Department at 361-992-7900; via mail at 4222 S. Staples St., Corpus Christi, TX 78411; or e-mail at [afdsales@irctt.com](mailto:afdsales@irctt.com).

IRC Inc. is a leading international manufacturer of advanced film, metal glaze and wirewound resistive products with facilities in Corpus Christi, Texas, Boone, N.C., Smithfield, N.C., and Barbados. IRC is part of TT electronics plc, a global electronics company manufacturing a broad range of advanced electronic components, assemblies and sensor modules for the automotive, telecommunications, computer and aerospace markets.

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***To request the electronic image, call 919-872-8172, or e-mail: [bgaddy@btbmarketing.com](mailto:bgaddy@btbmarketing.com)***

Keywords: TT electronics, IRC, MHP Series, TO-220, 50W, Power Resistor

Datasheet: [http://www.irctt.com/pdf\\_files/MHP.pdf](http://www.irctt.com/pdf_files/MHP.pdf)