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*RoHS-compliant resistors feature high impulse power capability, superior vibration handling...*

## **IRC'S HIGH POWER SOT-227 RESISTORS BOAST DIELECTRIC WITHSTANDING VOLTAGE OF 4000VAC**

CORPUS CHRISTI, TX (October 8, 2008) —Providing design engineers with a robust device that combines high power and high voltage, TT electronics IRC has raised the dielectric withstanding voltage of its high density power resistors to 4000VAC. Designated the MHP150 through MHP600 Series, the resistors are offered in power ratings ranging from 150W to 600W.

“The wide range of power ratings not only allows design engineers to specify the appropriate resistor to meet their specific application, but customers are now able to employ these resistors in high voltage circuits as well,” said Gary Bleasdel, thick film business unit director for IRC. “Along with the high dielectric withstanding voltage rating, the SOT-227 style resistors also feature extremely low thermal resistance, high impulse power capability, superior vibration handling, and an extremely low series inductance of less than 15nH.”

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## **IRC'S HIGH POWER RESISTORS BOAST DIELECTRIC WITHSTANDING VOLTAGE OF 4000VAC, PG. 2**

The robust high voltage, high power resistors are ideal for high voltage motor drives and military and medical x-ray equipment, along with pulse generators, high frequency amplifiers, and power supply snubbers.

The UL94V0-approved MHP150 to MHP600 Series resistors feature power ratings of 150W, 200W, 250W, 300W, 550W and 600W, with a dielectric withstanding voltage rating to 4000VAC. Resistance range is from  $0.1\Omega$  to  $1K\Omega$ , with tolerances available from  $\pm 1\%$  to  $\pm 5\%$ , and TCRs of  $\pm 100\text{ppm}/^\circ\text{C}$  when  $R \geq 1.0\Omega$ , and  $\pm 250\text{ppm}/^\circ\text{C}$  when  $R \leq 1.0\Omega$ . Operating temperature range is  $-55^\circ\text{C}$  to  $+120^\circ\text{C}$ . IRC will also produce devices outside these specifications to meet customer requirements.

Please contact the factory for pricing information for the MHP150 to MHP600 Series resistors.

For datasheets or more information on IRC's MHP150 to MHP600 series high power resistors, please access the Web site at <http://www.irctt.com/products.aspx?frmCategory=34>.

For additional information, please contact the TT electronics IRC 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.

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

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