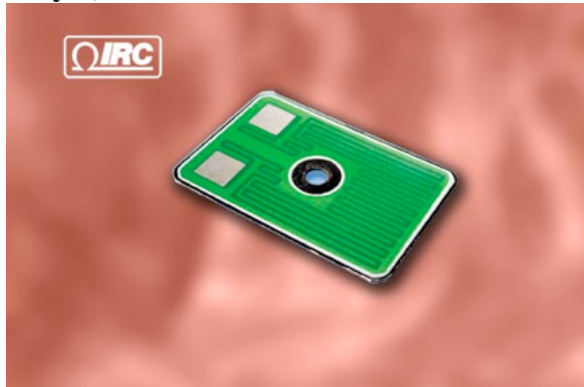


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Planar braking resistor provides superior thermal transfer for load dump, capacitor discharge applications...

IRC'S DYNAMIC BRAKING RESISTORS WITHSTAND TEMPERATURES TO 400°C; POWER RATINGS TO 7kW

LAS VEGAS, NV (May 6, 2008) — Providing design engineers with a robust, ultra low profile braking resistor, IRC offers a family of thick film planar power resistors on insulated stainless steel substrates. Designated the WDBR Series, the dynamic braking resistor enables motion control systems designers to replace bulky wirewound devices with a low-inductance, flameproof, intrinsically safe planar device rated for ultra-high temperatures.

“The closely matched thermal expansion coefficients between the stainless steel and the dielectric film enable the resistor to withstand severe temperature cycling, particularly in high pulse applications,” said Harold Warren, IRC’s business unit director. “The WDBR Series exhibits superior dissipation capabilities, ability to withstand thermal shock, high thermal transfer efficiency and exceptional mechanical robustness, providing a failsafe construction. This construction allows the resistors to be employed in numerous applications requiring high pulse power ratings up to 7kW or continuous high power loads.

IRC'S DYNAMIC BRAKING RESISTORS WITHSTAND TEMPERATURES TO 400°C, PG. 2

Typical applications for the WDBR Series braking resistors include dynamic braking of motors in motion control systems; battery pre-charge and capacitor discharge circuits in hybrid vehicles; and voltage bus clamp and trickle-charge circuits in industrial electronics, UPS systems and heavy-duty battery backup systems.

Maximum pulse power for the dynamic braking resistors is 1.5kW, 2kW, 3.5kW, 5kW and 7kW. Resistance ranges from 12Ω to 150Ω, with tolerance to ±10% and a minimum dielectric withstanding voltage of 2500VDC. Inductance values range from less than 3μ to less than 6μ, with an operating temperature to 400°C. Custom designs and resistance values are also available.

Please contact IRC for pricing and lead time information.

For datasheets or more information on IRC's WDBR Series dynamic braking resistors, please access the Web site at <http://www.irctt.com/products.aspx?frmCategory=23>. 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.

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

Keywords: TT electronics, IRC, WDBR, resistor, dynamic braking

URLs: <http://www.irctt.com/products.aspx?frmCategory=23>