

**FOR IMMEDIATE RELEASE**

*For more information, contact:  
Allan Cole, Director Sales & Marketing  
828-264-8861  
allan.cole@ircct.com*

*Chris Burke, BtB Marketing Communications  
919-872-8172  
cburke@btbmarketing.com*

*Inline metal element resistor features four-terminal Kelvin connection...*

## **IRC POWER CURRENT-SENSE RESISTOR CARRIES 55-AMP CURRENT IN AUTOMOTIVE APPLICATIONS**

BOONE, NC – A new type of power current sense device developed by resistor manufacturer IRC is capable of carrying up to 55 amps of continuous current in automotive circuits and other applications that require high power dissipation with low resistance values. Designated the CSL Series, the resistors feature a metal element with a four terminal “Kelvin connection” designed to provide current-sensing capability with extremely low ohmic values down to 0.00025Ω.

According to Allan Cole, director of sales & marketing at IRC’s Wire and Film Technologies Division, the CSL Series resistors have numerous features that make them ideal for automotive applications. “Their high current rating enables them to be used in a wide range of automotive power control circuits,” explained Cole, “which is becoming increasingly important as more current-sensing and feedback circuits are required on today’s automobiles. The metal element is extremely rugged and its inline construction saves significant board space compared to wirewound power resistors of similar ratings. ”

-more-

## **IRC'S CURRENT SENSE RESISTOR CARRIES 55-AMP CURRENT, PAGE 2**

The CSL Series resistors are also finding application in larger computers, servers and workstations; as well as power supplies and motor controls, Cole added.

Rated for 55 A @ 70°C, the CSL Series resistors feature resistance values as low as 0.00025Ω to 0.0025Ω, in tolerances to ±1% and with TCRs (temperature coefficient of resistance) of ±55 ppm/°C. [They are rated for operation from -55°C to +150°C.]

The rugged CSL Series resistors are constructed using a metal resistive element with four terminations, forming the “Kelvin connection” that enables the resistor to more accurately measure current than a two-terminal device.

Typical pricing for the CSL Series resistors is approximately \$2.60 in quantities of 10,000, with delivery times from 6-8 weeks. For more information about CSL Series resistors, contact your local IRC distributor, the IRC Wirewound And Film Technologies & Marketing Department at 828-264-8861, e-mail at [waft-sales@irctt.com](mailto:waft-sales@irctt.com), or visit IRC on the web at [www.irctt.com](http://www.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 Group PLC, a leading global engineering company manufacturing a range of specialist products, including electronic passive components, electromechanical and electronic assemblies and sensor modules for the automotive, telecommunications, computer and aerospace markets. TT Group's web site can be found at: [www.ttgroup.com](http://www.ttgroup.com).

*For additional photo formats, including color transparencies, 35mm slides, b/w prints or electronic files of the attached images, please call Chris Burke at BtB Marketing Communications, 919-872-8172, or e-mail at [cburke@btbmarketing.com](mailto:cburke@btbmarketing.com).*