

**FOR IMMEDIATE RELEASE, CO976
May 14, 2007**



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Chip resistors require minimal board space in handheld battery-powered devices...

IRC'S LOW VALUE CHIP RESISTORS FEATURE WIDE RESISTANCE RANGE IN A FULL RANGE OF SIZES INCLUDING 0402, 0603 AND 0805

LAS VEGAS, NV (May 14, 2007) — Providing design engineers with a broader range of chip sizes to comply with reduced printed circuit board space, TT electronics IRC Advanced Film Division has extended its low resistance value chip resistor product line. Designated the LVC Series, the resistors are now available in 0402, 0603, 0805, 1206, 2010 and 2512 package sizes.

According to Steve Wade, director of sales and marketing for IRC's Advanced Film Division, the smaller components are ideal for applications where printed circuit board space is at a premium. "Providing the LVC Series chip resistors in the smaller chip sizes makes the devices ideal for low current battery powered devices," said Wade. "The resistors feature an ultra-low resistance value, making them ideal for current sensing in portable computers, disk drives and handheld communications devices, including cell phones and PDAs."

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IRC'S LOW VALUE CHIP RESISTORS FEATURE WIDE RESISTANCE RANGE PG. 2

Additional applications for the LVC Series chip resistors include overcurrent protection, voltage regulator modules (VRM), DC/DC converters, battery pack chargers and switching power supplies.

Available in 0402, 0603, 0805, 1206, 2010 and 2512 package sizes, the LVC Series resistors feature power ratings of 1/16W, 1/10W, 1/8W, 1/4W, 3/4W and 1W, respectively. Resistance values range from 3mΩ to 1Ω, with tolerances to ±1%. TCRs range to ±100ppm/°C and operating temperature range is -55°C to +155°C.

Pricing for the 0805 LVC Series chip resistors is \$0.175 each in quantities of 10K pieces. Lead time is from stock to 8 weeks.

For datasheets or more information on IRC's LVC Series chip resistors, please access the Web site at <http://www.irctt.com/products.aspx?frmCategory=22>. 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.

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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Keywords: TT electronics, IRC, LVC Series, Chip Resistors, Thin Film, Current Sense
Datasheet: <http://www.irctt.com/products.aspx?frmCategory=22>