



News Release

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For Immediate Release

Tiny Energy Efficient Low $V_{CE(SAT)}$ Transistors ideal for portable electronics



Hauppauge, NY USA – February 11, 2009 – Central Semiconductor Corp. announces the release of the **CMLT3820G** (NPN) and **CMLT7820G** (PNP) Low $V_{CE(SAT)}$ Transistors packaged in the SOT-563 surface mount case with a maximum profile of 0.6mm. Both devices are 60 Volt, 1.0 Amp transistors with exceptionally low $V_{CE(SAT)}$ characteristics. The NPN CMLT3820G specifies a $V_{CE(SAT)}$ of 115mV @ 100mA, and 280mV @ 1.0A, while the complementary PNP CMLT7820G is listed as 175mV @ 100mA and 340mV @ 1.0A.

In addition to superior electrical specifications, the CMLT3820G and CMLT7820G are packaged in the SOT-563 case with a maximum height of 0.60mm. These devices are ideal for portable battery powered applications requiring an energy efficient device with a low profile. Other applications include DC/DC conversion, voltage clamping, and protection circuits.

The CMLT3820G and CMLT7820G are available bulk packed or 3,000 pcs on 7" tape & reel. Price for the CMLT3820G starts at US\$0.12 each for 3,000 pcs on tape and reel, and the CMLT7820G starts at US\$0.12 each for 3,000 pcs on tape and reel. Sample devices are available upon request.

Central Semiconductor manufactures leading edge discrete semiconductors and is always eager to explore design engineers' requests for special requirements. Specifications for these new devices can be found in the New Products / Latest Updates section of Central's website at www.centralsemi.com/new.

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