SemiSouth doubles current rating of new SiC diodes in DPAK package to 10A

I-Micronews

The 1200V/10A SDB10S120 features a positive temperature coefficient for ease of paralleling, and temperature-independent switching behavior. Maximum operating temperature is 175degC. Devices also exhibit zero forward and reverse recovery current. Total capacitive charge is 40nC. The true two lead DPAK (TO-252-2L) package has a mounted footprint (nominal) of 9.8x6.6mm and measures just 2.29mm high.

Explains SemiSouth's Senior Vice President of Sales & Marketing, **Dieter Liesabeths**: *"By again extending our leadership position in silicon carbide with these new 1200V/10A diodes we are enabling manufacturers of products such as solar inverters, SMPS, induction heaters, UPS and motor drives – and well as anyone building PFC circuits – to benefit from increased performance and reduced space."*

Samples are available now with volume production starting in June 2012. Devices are priced at $8.66 in 1000 piece quantities..

About SemiSouth Laboratories, Inc.
SemiSouth, a privately owned corporation with its main offices and foundry in Starkville, Mississippi, (USA), focuses on silicon carbide (SiC) power devices and electronics, targeting applications such as: solar inverters; power conversion in computing and network power supplies; variable-speed drives for industrial motors and hybrid electric vehicles; and products used in high-power, harsh-environment military and aerospace environments. The company was formed in 2000, has sold products globally through direct sales or distributors since 2005, and received a major growth investment from Power Integrations (NASDAQ: POWI) in 2010. It introduced the world's first commercial, cost-effective normally-off SiC JFETs in 2008, which have enabled world-record energy efficiencies for its customer's products. More information is available at www.semisouth.com [1].

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