

Press Release

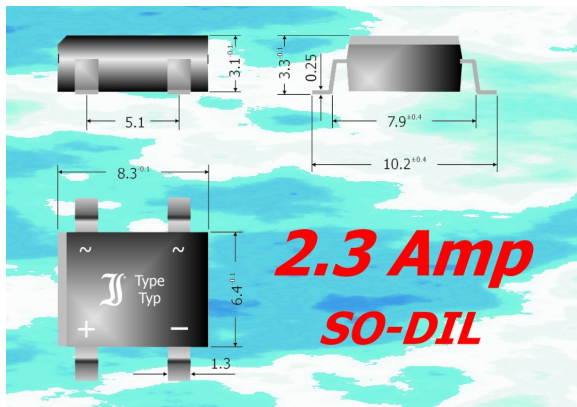
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SMD Bridge Rectifier supplies up to 2.3 Amp

The most powerful device on the market

At electronica 2006, Diotec presents the new SMD bridge series B40S2A to B380S2A. With output currents of up to 2.3 Amp in SO-DIL package, these parts are currently the most powerful SMD bridge rectifiers on the market. The high power rating is achieved by an extremely low forward voltage drop of below 0.95 Volts at 2 Amp. Also unique is the peak forward surge current of as much as 72 Amp for an 8.3ms sine half wave.



Typical applications for these rectifiers are power supplies for industrial and consumer goods such as set top boxes, where up to now not powerful enough SMD versions have been available. Due to reduced forward power losses, the parts can be also used at high ambient temperatures, e. g. in lamp ballasts. Finally, the high surge current is an important parameter for lightning protection in telecommunication circuits. Start of series production of these innovative devices will be in the beginning of 2007.

*** text only file and high resolution picture see <http://www.diotec.com/service/presse/> ***

Diotec Semiconductor AG, located in Heitersheim/Germany, produces and sells semiconductors such as diodes, rectifiers, diacs and transistors, and has more than 30 years of experience.

Further information is available from Udo Steinebrunner, Tel.: +49-7634-5266-83, Fax: +49-7634-5266-61, Email: u.steinebrunner@diotec.com or on our website <http://www.diotec.com/>.