

Press Release

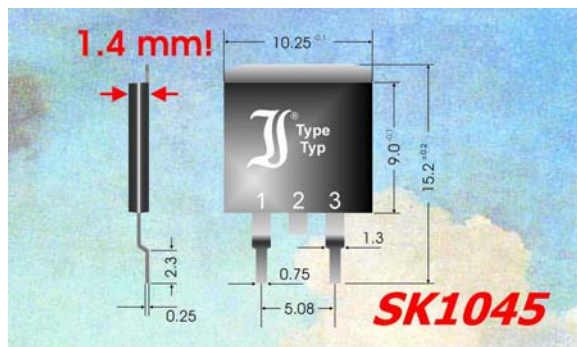
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Power Schottky Rectifier in ultra-flat D²PAK

10 Amp in a 1.4 mm high package!

The SK1045 power Schottky rectifier presented by Diotec comes in a very low profile surface mount package. Apart from a package height of as low as 1.4 mm, the device also comes in the industry standard D²PAK (TO-263) package outline. It fits into existing layouts without any problems.

The low height not only supports the trend towards ever lower board profiles, but it also saves weight (having only 0.5 g!) and last but not least costs because less materials are used when manufacturing the rectifiers.



High resolution picture on request, see below

Only 1.4 mm of height: SK1045 by Diotec

First available part in this package is a single diode with 10 Amp nominal current. Forward voltage drop is lower than 0.48 Volt at 5 Amp, and blocking voltage is 45 Volt with leakage current below 300 μ A. Devices can be supplied in a lead free version according to EU directives RoHS/WEEE/ELV. Other types and configurations are planned.

Diotec Semiconductor AG located in 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/>.