



CISSOID

The Leader in High Temperature Semiconductor Solutions

PRESS RELEASE

CISSOID Introduces ETNA, the Industry's First DC-DC Converter Reference Design for Operation up to 225°C

Mont-Saint-Guibert, Belgium – January, 2009 - CISSOID, a leader in high temperature semiconductor solutions, unveiled **ETNA**, the industry's first DC-DC Converter Reference Design suitable for operation from -55°C up to +225°C.

This reference design is the first product of a family of DC-DC converters named **VOLCANO**. It implements a buck (step down) DC-DC converter with proven CISSOID products as active components. ETNA offers the smartest solution for energy-sensitive applications in highly demanding applications requiring reliable and continuous operation at 200°C and above.



CISSOID's DC-DC buck converter can provide output voltages going from 2.5V to 10V while driving loads from 10mA to 1A across the entire operating temperature range. ETNA brings efficiency of over 80% at 200°C. Its input voltage can extend from 7V to 30V while providing very good line regulation (1mV/V), load regulation (5mV/A) as well as output voltage drift with temperature (150µV/K). The architecture includes Input Voltage Feedforward enabling very good DC line regulation and a fast response to input transients.

ETNA is a DC-DC converter design that fits market requirements for oil & gas, aeronautics, space and Industrial applications with a large temperature range. Depending on specific customer needs, ETNA can be implemented with packaged components on a high-temperature Printed Circuit Board, or as a Multi-Chip-Module on the basis of bare dies. Further integrated solutions are under development.

The reference design and the active components of the bill-of-material are available immediately from CISSOID. For more information, visit www.cissoid.com or contact the company's representatives.

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About Cissoid - www.cissoid.com

Cissoid is a leader in high temperature electronics providing monolithic semiconductor solutions, and the pioneer in Silicon-on-Isolator (SOI) products with over 20 years of background and R&D in SOI. As a leading fabless semiconductor company, Cissoid delivers standard products and custom solutions meeting high temperature requirements, primarily to the Oil & Gas, Aerospace and Automotive markets.

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