

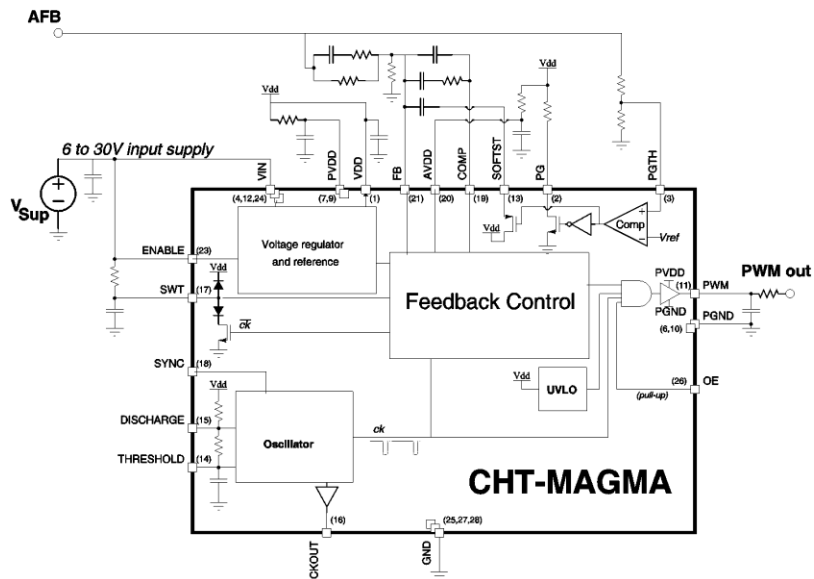
## **PRESS RELEASE**

### **CISSOID Introduces MAGMA, a high temperature PWM controller for DC-DC converters and SMPS**

*Mont-Saint-Guibert, Belgium* – October, 2009 - CISSOID, a leader in high temperature semiconductor solutions, has unveiled MAGMA, a PWM controller that operates reliably over the full temperature range [-55°C to +225°C]. MAGMA targets DC-DC converters and Switching Mode Power Supplies, where it brings maximum efficiency above 90% throughout the whole temperature range.



MAGMA can operate with input voltages from 6 to 30V and delivers a PWM signal at constant frequency and duty cycles up to 90%. The chip can be forced to a stand-by mode, with a typical consumption under 150µA at 225°C. The threshold for the “Power Good” signal can be adjusted. A *Sync* pin can be driven by an external clock for synchronization purposes while the internal clock is available on a *Ckout* pin. MAGMA also features an internal reference, input voltage feed forward, and a soft start activated whenever MAGMA comes out of stand-by or the output is enabled.



MAGMA as a PWM controller in a DC-DC converter

With MAGMA and their recently announced HYPERION driver, CISSOID provides the heart of high performance DC-DC converters reliable in the full temperature range [-55°C to +225°C], as expected by designers of aeronautics, oil & gas, train and automotive applications. Associated with Silicon Carbide power transistors or high reliability IGBTs, MAGMA and HYPERION enable smaller and more reliable battery chargers and bootstrap converters, with reduced cooling and better overall cost efficiency.

CHT-MAGMA is available immediately for sampling and evaluation in Ceramic DIL28 package. Pricing starts at 231.63€ up to 200 units. For more information, visit [www.cisoid.com](http://www.cisoid.com) or contact the company's representatives at [www.cisoid.com/company/about-us/contacts.html](http://www.cisoid.com/company/about-us/contacts.html).

**About Cissoïd - [www.cissoïd.com](http://www.cissoïd.com)**

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

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