



**CISSOID**

**The Leader in High Temperature Semiconductor Solutions**

## ***PRESS RELEASE***

### **CISSOID Introduces HYPERION, a high temperature driver for power MOSFETs in DC-DC converters and electric motor control**

*Mont-Saint-Guibert, Belgium* – September, 2009 - CISSOID, a leader in high temperature semiconductor solutions, has unveiled **HYPERION**, a high-side and low-side driver that operates reliably from -55°C up to +225°C. HYPERION is suitable for driving MOSFETs in DC-DC converters and for half-bridge driver designs in electric motor control applications and power inverters.



With a typical on-resistance of 1 Ohm, both high-side and low-side can drive up to 1 nF loads with a 40 ns propagation delay and 15 ns transition time at 200°C. Internal, adaptive non-overlap circuitry further reduces switching losses by preventing simultaneous conduction when used in MOSFET drive applications. The high-side floating driver is bootstrapped and can accommodate voltages as high as 35V on the bootstrap node.

An under-voltage lockout function holds the high-side switch off until the driver has sufficient voltage for proper operation. A crowbar input turns on the low-side driver independently of the input signal state, and a low-side disable pin allows operation in non-synchronous mode. A shut-down pin turns off both the high-side and the low-side drivers.



## About Cissoid - [www.cissoid.com](http://www.cissoid.com)

Cissoid 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, Cissoid delivers standard products and custom solutions meeting high temperature requirements, primarily to the Oil & Gas, Aerospace and Automotive markets.

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