

## ***PRESS RELEASE***

### **CISSOID introduces Mercury, a High Temperature 80V Small-Signal Transistor**

*Mont-Saint-Guibert, Belgium – November 2009.* CISSOID, a leader in high temperature semiconductor solutions, introduces a new product in their Planet family of high temperature transistors and switches. Mercury is a High Temperature 80V Small-Signal N-channel MOSFET Transistor with guaranteed operating temperature range from -55°C to +225°C. With its extreme temperature robustness, its input capacitance of only 32pF and its gate leakage limited to 5.6µA at 225°C, this 80V transistor is ideally suited for high temperature sensor interfaces such as piezoelectric sensor or to implement a guard amplifier.



This logic-level MOSFET sinks up to 230mA at 225°C and can also be used to switch medium or high resistances, e.g. to convert a 3.3V/5V logic signal to a high-voltage open-drain output with turn on/off times lower than 5ns. Finally, with the gate tied to the source, Mercury can be used as an 80V small current diode for high reliability at high temperature.

Mercury, referenced as CHT-SNMOS80 is now available in TO-39 Metal Can package for sampling and evaluation. Pricing starts at 129€ 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 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 high reliability electronics. Cissoid delivers standard products and custom solutions meeting high temperature requirements to the Oil & Gas, Aeronautics, Industrial and Automotive markets. For more information visit [www.cissoid.com](http://www.cissoid.com)

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