



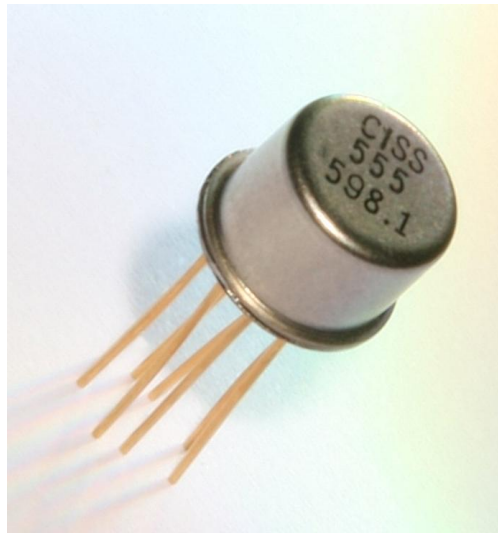
**CISSOID**  
The Leader in High Temperature Semiconductor Solutions

## ***PRESS RELEASE***

### **Successful tests of CISSOID components by NASA**

*Mont-Saint-Guibert, Belgium – February 2009.* CISSOID, the leader in high temperature semiconductor solutions, released recent test results of their circuits by NASA for extreme high and extreme low temperature applications.

Researchers at NASA's Glenn Research Center have tested recently a CHT-555 SOI timer circuit. The circuit was provided unpackaged by CISSOID and then tested using special high temperature packaging technology developed at Glenn. The CHT-555 timer has operated at **+375°C** for 750h before the temperature was intentionally decreased. Even if the performances of the circuits at such temperature were lower than the standard specification range, these results indicate that with high temperature packaging technology CHT-555 timer circuits may operate at temperatures even above the current temperature specifications. These results have been presented at the SAE power system conference in Seattle.



Previously, engineers at Glenn Research Center had tested several CISSOID components for cryogenic temperature applications. The CHT-555 (555 timer), CHT-BG (Voltage reference), CHT-OPA (Operational Amplifier) and CHT-LDO-033 (+3.3V Voltage regulator) have been tested from -195°C to 100°C with extremely good and stable results. Combining

the results from NASA and CISSOID's own results at temperatures as high as 300°C, these circuits have shown a world record of SOI circuits in terms of temperature range. For example, only 6% variation was measured for the Voltage reference from -195°C to +300°C.

These test results open new perspectives for applications that require reliable operation in extremely wide temperature ranges.

– Ends –

#### **About NASA – [www.nasa.gov](http://www.nasa.gov)**

NASA's mission is to pioneer the future in space exploration, scientific discovery and aeronautics research.

To do that, thousands of people have been working around the world -- and off of it -- for almost 50 years, trying to answer some basic questions. What's out there in space? How do we get there? What will we find? What can we learn there, or learn just by trying to get there, that will make life better here on Earth?

#### **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-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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