



CISSOID
The Leader in High Temperature Semiconductor Solutions
The Pioneer in Silicon on Insulator (SOI)

PRESS RELEASE

CISSOID introduce a new High Temperature Logic Family

Louvain-la-Neuve, Belgium – July 2008. CISSOID, a leader in high temperature semiconductor solutions and the pioneer of Silicon-on-Insulator (SOI) products, announced its **CHT-74 Logic Family for extreme temperatures**. The products are optimized for High-Temperature, High Reliability applications. They bring digital functions to system designers targeting high temperature electronics, even beyond 200°C.



The CHT-74 family is composed of a quad 2-input NAND, a hex inverter, a quad 2-input OR, a quad 2-input AND, a quad 2-input NOR, a Dual D-type flip-flop with set and reset, and a quad 2-input XOR. Most of the CHT-74 family circuits are pin-to pin compatible with standard 74 logic families. They keep high speed performances and low leakage, even at high temperature.

CHT-74 series fit market requirements for Oil & Gas, Aeronautics, Space and Automotive applications with a large temperature range from -55°C to 225°C. All components can work between 3.3V and 5V power supply over the complete temperature range with input and output CMOS compatibility.

This new logic family is part of Cissoid's product roadmap, offering customers a more and more complete portfolio of Extreme Temperature Electronics components. CHT-74 brings tangible opportunities to develop mixed signal applications at high temperature without the need to implement a micro-controller or DSP for simple digital functions.

The CHT-74 logic family is available in Ceramic DIL14 packages for sampling and evaluation. Full characterization is ongoing and other packages are available on request. 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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