



CISSOID

The Leader in High Temperature Semiconductor Solutions

PRESS RELEASE

CISSOID introduces the industry's first High Temperature Full Bridge Driver

Mont-Saint-Guibert, Belgium – December 2008. CISSOID, the leader in high temperature semiconductor solutions, announced today the release of the industry's first **High Temperature Full Bridge Driver** guaranteed for operation between -55°C and $+225^{\circ}\text{C}$. The product includes two independent low-side and high-side driver channels with a bootstrap circuit and integrated charge pumps associated to the high-side channels.

This first High Temperature driver is the answer to the market requirements for Oil & Gas, Aeronautics, Space and Automotive applications with an extended temperature range. The driver has been developed for an automotive application and can be used in a very large scope of applications like solenoid driver, electrical motor, DC-DC converter and SiC JFET driver. The product, referenced CHT-FBDR, fills a gap in the industry's offering at high temperature.



As a typical application, CHT-FBDR can be used to drive two inductive loads using four external n-channel MOSFETs. All driver outputs can swing from 0 to 10V while their inputs are driven with 0/5V logical levels. The floating outputs can overdrive the external MOSFET's gates by 10V above their supply voltage, up to a maximum of 60V.

This Driver will be used by CISSOID in two high temperature reference designs to be announced soon for power management applications.

The CHT-FBDR is available in Ceramic DIL40 package for sampling and evaluation.

– Ends –

About Cissoid - 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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