

**PRESS RELEASE**

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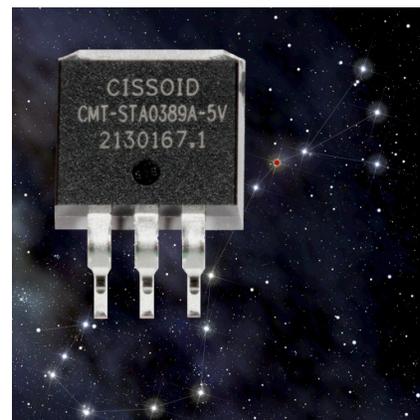
**CISSOID announces Automotive & Industrial Linear Voltage Regulators With Operating Temperatures up to 175°C**

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*Mont-Saint-Guibert, Belgium – February 12th, 2015.* CISSOID, the leader in high-temperature semiconductor solutions, releases CMT-ANTARES; a new fixed-voltage 5V linear voltage regulator ruggedized for high reliability and high temperature automotive and industrial applications. CMT-ANTARES delivers up to 200mA to the output load from input voltages between 5.5V and 30V. The output voltage is stabilized to 5V +/- 5% including all possible variations: initial accuracy, temperature changes from -55°C up to 175°C (Tj), line and load regulations.

CMT-ANTARES is the result of CISSOID's unparalleled 15-years experience in building linear voltage regulators surviving to the harsher environments. CMT-ANTARES not only operates reliably at high temperatures but it is robust against severe electrical anomalies: the chip is immune to latch-up, resists to ESD events up to 6KV (HBM), is protected against short circuits and power overloading, by a current limiter and an over temperature protection (OTP) triggering above 225°C (Tj). Moreover, CMT-ANTARES offers comfortable safety margins with maximum absolute ratings for temperature and input voltage extending respectively to 200°C (Tj) and 40V.

The device is packaged in a 3-pin TO-263 plastic package. The junction-to-case thermal resistance is only 4.6°C/W. The combination of high operating junction temperature and a low junction-to-case thermal resistance allows minimising the cooling requirements, e.g. by using a smaller copper thermal pad on the PCB. This 3-pins package makes it easy to integrate CMT-ANTARES on the PCB and allows a drop-in replacement of commercial voltage references.



Dave Hutton, VP W/W Sales & Business Development at CISSOID, commented: "CMT-ANTARES has been developed to address the needs primarily of the automotive and industrial markets which require robust voltage regulators, operating above the temperature supported by traditional semiconductors, at an affordable price. CMT-ANTARES is the only product of its kind currently available on the market. It has been submitted to power temperature cycling (PTC) and High Temperature Operating Life (HTOL) tests exceeding the requirements of the automotive AEC-Q100 (Grade 0) qualification standard.

For automotive applications CMT-ANTARES is ideally suited to supply automotive sensors and actuators modules used close to the engine, the exhaust systems, brakes, turbochargers and also exhaust gas recirculation (EGR). In industrial markets applications such as electrically controlled pumps & valves, industrial gas turbines and large DC-DC converters will all benefit from this regulator."

CMT-ANTARES datasheet is available now from the CISSOID web site <http://www.cisoid.com/images/stories/pdf/Datasheets/CMT-ANTARES.pdf>. CMT-ANTARES can be ordered now for sampling and evaluation. Volume Pricing will be €2.90 / Unit for volumes of 25,000 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).

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