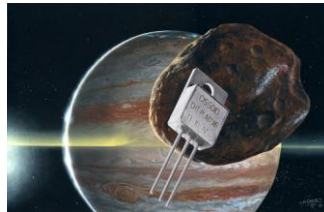


PRESS RELEASE

CISSOID launches AMALTHEA, a High-Temperature, General Purpose 80V / 3A Dual Diode

Mont-Saint-Guibert, Belgium – May 28th, 2013. CISSOID, the leader in high-temperature semiconductor solutions, expands its PLANET family of discrete products with the launch of CHT-AMALTHEA, a medium power, general purpose, dual diode in a hermetically sealed metal can TO-257 package. This new device is guaranteed for operation from -55°C up to +225°C. CHT-AMALTHEA includes two diodes and is available in three possible configurations: Common anode, common cathode and dual series configurations.



Each diode has a reverse voltage of 80V, a maximum forward current of 3A DC and 4A peak at 225°C, making them suitable for a number of power applications. The metal, TO257 package is isolated from the pins, facilitating the mechanical assembling of the systems. This dual diode is a general purpose, discrete component that can be used in a variety of medium power applications, including rectification, free-wheeling, clamping and sensing, among others.

CHT-AMALTHEA diodes present a junction capacitance of 36pF and 56pF at 20V and 80V reverse voltages respectively. A rectifier bridge can easily be implemented by using two AMALTHEA. Each diode has a forward voltage of 1.53V typ. at 225°C (and at 2A forward current) and presents a very low leakage current of 15µA at 80V reverse voltage and at 225°C.

A product datasheet is available now from CISSOID's website ([Link to datasheet](#)). CHT-AMALTHEA can be ordered for sampling and evaluation under the part number CHT-PLA0738x-TO257-T. Pricing starts at 134.19€ for 51 to 200 units. For more information, visit www.cisoid.com or contact the company's representatives at www.cisoid.com/company/about-us/contacts.html.