

- Home
- News
- E-Mail Newsletters
- White Paper Library
- Sensors TV
- Opinion
- Technical Articles
- Inside Sensors
- Browse by Topic
- Sensors Expo

Electric/Magnetic

Crocus Technology and TowerJazz qualify CTSX magnetic sensors; volume manufacturing launched

April 7, 2014

Be the first of your friends to like this.

Selected customers will be able to sample Crocus' family of CTSX magnetic sensors that enable high-performance low-cost solutions for multiple consumer and industrial applications

Grenoble, France, and Migdal Haemek, Israel - Crocus Technology and TowerJazz announce that Crocus' CTSX magnetic field sensor family has completed qualification. The CTSX magnetic sensor product family includes CTSX100, 200 and 300 series. They are based on Crocus' proprietary Magnetic Logic Unit(TM) (MLU) technology and are ready for shipping to selected customers.

TowerJazz, Crocus' strategic manufacturing partner, qualified the sensor products on its 130nm CMOS process. TowerJazz will fabricate the CTSX product family and offer the new highly-advanced developed sensors to its customers.

Crocus developed the CTSX magnetic sensors to respond to market demand for high sensitivity and low-cost solutions in multiple applications.

"The magnetic sensor market is expected to surpass USD 2 billion by 2015. Crocus' introduction of the CTSX magnetic sensor product family targeting a wide range of market segments is a further example of the strength and far-reaching capabilities of our MLU technology that spans security, embedded memory applications and now sensors," said L.J. Ristic, VP and general manager of the Sensor Business Unit at Crocus Technology. "No other MRAM technology can address multiple markets the way the Crocus' MLU technology does."

The CTSX product family offers several important advantages; including proprietary differential programming, high sensitivity, high linearity, excellent frequency response and low power. These are key drivers for enabling high performance and low cost solutions. The CTSX product family is suitable for switching, current sensing, position sensing, as well as rotation and speed sensing; addressing the needs of multiple market segments. These markets cover consumer, industrial and process control, energy and transportation segments. In addition, the CTSX magnetic sensor family provides highly reliable performance over a wide temperature range up to 250 degrees Celsius, unmatched by competing products. This makes them a frontrunner for automotive applications.

"TowerJazz's qualification of Crocus' new CMOS based magnetic sensors will enable us to offer highly-advanced and competitive embedded-solutions to multiple customers in various markets, such as consumer electronics, industrial and automotive among others," said Zmira Shternfeld-Lavie, VP of TOPS Business Unit and R&D Process Engineering. "We are excited about bringing this technology to volume production this year and pioneering multiple embedded magnetic sensors solutions for the foundry market place."

The CTSX magnetic sensor product family includes multiple architectures, which are based on Crocus' Magnetic Logic Unit(TM) (MLU), a disruptive CMOS-based rugged magnetic technology. This enables Crocus' magnetic sensors to exhibit several orders of magnitude of higher sensitivity. Benefits to customers come in the form of low power, a robust design and high temperature performance.

For more information, visit:

<http://www.crocus-technology.com>

<http://www.towerjazz.com>

SHOWCASE VIDEOS

WATCH & LEARN

FREE E-BOOK

'FORCE SENSORS FOR DESIGN'

Tekscan.com

E-Newsletters

Subscribe Now!

- Sensors Weekly
- Product Picks
- What's New at Sensors

RS-485 Modbus over Cellular!

OPTION

Introducing the **CloudGate** Ruggedized Cellular Gateway

Perfect for Sensor Connectivity

LEARN MORE >>

GetWireless
Products • Solutions • Support

RSS FEED

RSS

Get free delivery of new articles! [Click here](#) for more information.

Bookmark it: digg del.icio.us technorati yahoo facebook twitter

Zini/Zakto Terminal Blocks

Simplify Electrical Connections In Hard-To-Reach Places