

Crocus Technology Inc. Unveils Industry-Leading TMR-based Angular Sensor

The CT300 is a 2D magnetic sensor with an angular error well below 0.5°

Santa Clara, California, November 6, 2018 – Crocus Technology Inc., a leading supplier of disruptive Tunnel Magneto-Resistance (TMR) sensors, today announces the CT300 device, a new break-through TMR-based angular (2D) magnetic sensor with an extremely low angular error and high stability over a wide temperature and voltage ranges to address a variety of markets.

The CT300 is designed using Crocus's revolutionary Magnetic Logic Unit™ (MLU™) technology and consists of two full-bridge magnetic resistor networks capable of two-dimensional sensing. In the presence of a rotating magnetic field, the CT300 senses the field and produces two sets of differential signals representing the sine (SIN) and cosine (COS) waveforms. Once the differential signals of the CT300 are processed and compensated, the resulting angular error will be at or below 0.5° over a temperature range of -40°C to +150°C. A single CT300 can measure the absolute angle resulting from a full 360° rotation and can sense magnetic fields ranging from 20 mT to 80 mT.

“The CT300 is a high-performance TMR angular position sensor that showcases the strength of our MLU technology. It will help our customers achieve both higher accuracy measurements and stable performance over the operating range of temperatures and fields for applications that require a precise angular position, rotation direction, and speed information” states Zack Deiri, CSMO and GM of Sensor Products at Crocus Technology. “The CT300 exceeds the performance metrics of competing solutions in terms of angular error combined with very low noise, high frequency response, and low power consumption which makes the device ideal for, but not limited to, battery operated consumer hand-held devices and IoT applications.”

The CT300 addresses the demands of the consumer, industrial, medical and automotive markets and is highly suited for applications such as OIS (Optical Image Stabilization)/AF (Auto-Focus)-enabled camera modules, optical encoders, BLDC motor control, IoT enabled smart devices and appliances, automation equipment, industrial controls and robotics where precise angular position measurements are required.

CT300 is available in wafer/KGD (Known-Good-Die), an 8-lead TSSOP package, and in an ultra-low profile and small form factor 8-lead DFN package. Samples will be available in December 2018 and fully qualified for production in the first quarter (Q1) of 2019.

About Crocus Technology

Crocus Technology develops and supplies magnetic sensors and embedded memory solutions based on its patented TMR sensor technology, the Magnetic Logic Unit™ (MLU™). Crocus's magnetic sensors bring significant advantages to industrial and consumer electronic applications requiring high sensitivity, stable temperature performance, low power and low cost. Crocus is headquartered in Santa Clara, California and has offices in Grenoble, France and Beijing and Shenzhen, China. For more information, please visit <http://www.crocus-technology.com>.

© 2018 Crocus Technology International Corp. All rights reserved. Crocus Technology, MLU, and combinations thereof are trademarks of Crocus Technology Inc. and Crocus Technology SA. Other names are for informational purposes only and may be trademarks of their respective owners

For more information, please contact:

Wayne Seto

Crocus Technology

Tel: +1-408-380-8316

Email: wseto@crocus-technology.com