



COMPANY UPDATES

We continue to see shortages in the market from one of our largest competitors Allegro in the switch and current sense product segments which are opening up opportunities for us. Excited to announce that we have shipped over 50M TMR sensors. Investments last year in expanding capacity and new products are starting to pay off as we continue to see ramping production volumes from our customers.

HEADLINES

CROCUS IS SAMPLING CT42x CURRENT SENSORS

CT425 (5V) and CT426 (3.3V) expands the contact current sensor product line with higher bandwidth (1MHz) for up to 30A applications. +/-1% FS output accuracy, +/-0.3% FS linear error provide market leading performance. The CT42x is offered in SOIC-8 package and is pin-to pin compatible with several Allegro products. Additional details in the CT42x product presentation including part number XREF.

New Current Sensors Families available at 3.3V

To meet the requests from customers the new CT431 and CT426 are available at 3.3V (Supply Voltage: 3.0V to 3.6V). We see a trend for new MCUs having an integrated 3.3V ADC so need to align the current sensor output with this.

FEATURED SALES TOOLS

CT43x and CT42x Preliminary Datasheets, Application Notes, Product Presentations available - Ask your contact in Crocus

NEW IDEAS AND LEADS

Solar Inverters

In a solar panel system the inverter is used to convert from DC to AC and sync it up with the grid. Current sensors are needed in the systems' control loops to ensure proper connection

to the grid. The sensor must measure both AC and DC currents and must have high dynamic performance: very fast response times are needed to react to any change in the grid. The high output bandwidth is also

needed to measure high-frequency AC currents and harmonics at different points in the system.

CT43x and **CT42x** are an ideal match to these requirements.

CT431 HIGHLIGHTS - 3.3V

- 1 MHz Bandwidth
- 5KV Isolation
- <1% Full Scale Total Error
- Over Current Detection (OCD) output pin
- <0.15% Linearity Error over Temperature
- 300ns Response Time
- <15mA Resolution over 1MHz BW
- Differential Sensing CMFR