

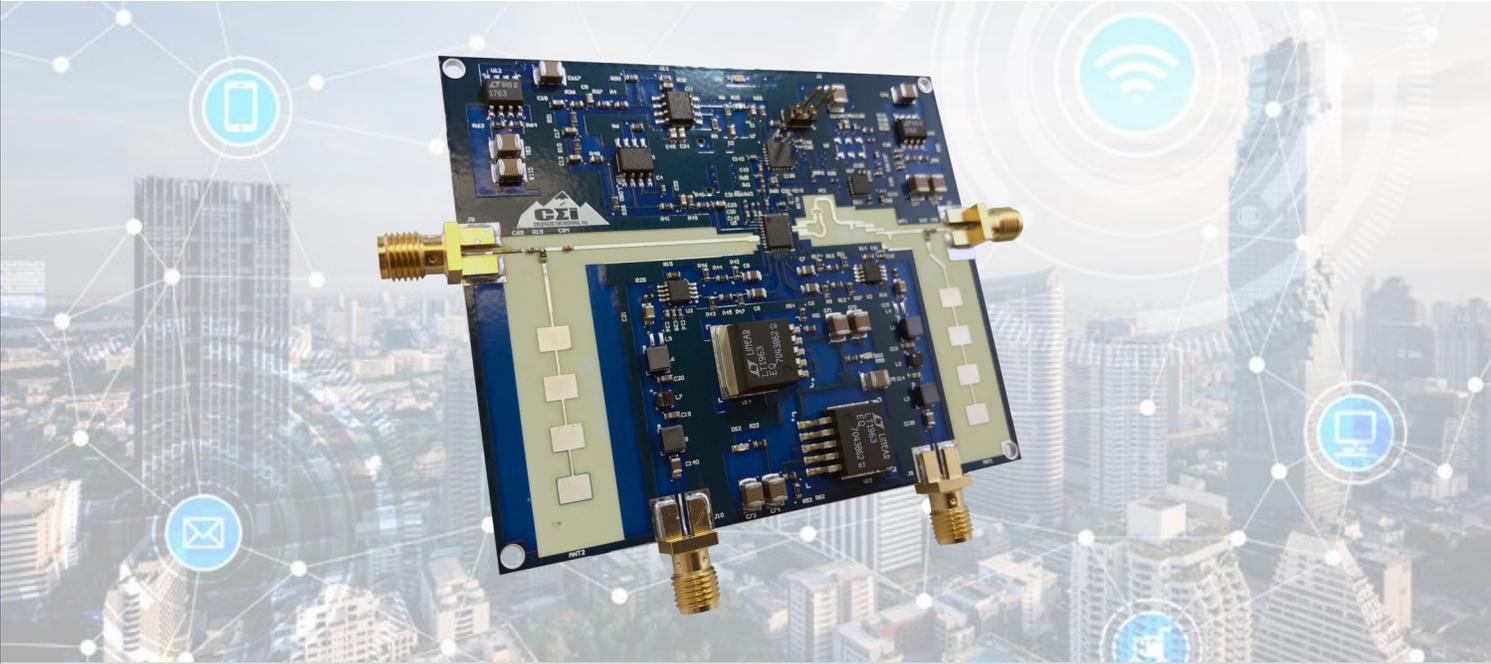
KROMIUM 2

24 GHz Fixed Beam Radar

Model Number: RDM-A-BGT24-9010-F



RADAR SERIES



OVERVIEW

CEI's Radar Series brings high frequency radar technology to small form factor platforms. The Radar Series was designed for land, sea, and air environments where size, weight and power are critical. The radar systems provide superior performance for tasks such as range, speed and RCS measurements, target tracking, collision avoidance, occupancy sensing and much more. Its extensive capability includes steerable beams and digital beam forming. The Radar Series is an excellent choice for your next radar application with 24, 60, and 77 GHz options.

PRODUCT DESCRIPTION

Kromium 2 takes your next 24 GHz radar design to market quickly and easily. Kromium 2 is packed with extensive capability - it outperforms its competition in tasks such as range, speed and RCS measurements, target tracking, collision avoidance, occupancy sensing and much more. Kromium 2's total Field of View (FOV) is $\pm 36.5^\circ$ AZ, $\pm 8^\circ$ EL. It is equipped with Infineon's BGT24MTR11 transceiver and XMC microcontroller and optimized for energy efficiency with an ARM Cortex – M4, 32-bit processor core. It has plenty of processing power to support advanced Digital Signal Processing (DSP) algorithms. Choose Kromium 2 for your next 24 GHz radar design!

FEATURES

- Accurate Speed & Motion Measurements
- TX Sample & RX injection Ports
- I/O Headers
- USB to PC Interface
- Ethernet
- CAN
- Onboard Memory
 - 16 MB, SDRAM

- Sensors: Temperature, Humidity, Barometric Pressure, Ambient Light & Proximity, Accelerometer, Gyroscope, Smoke Detector, Microphone
- Digi Xbee Socket (Interchangeable)
 - Wi-Fi
 - Cellular: LTE-Cat 1, LTE-M, 3G
 - Bluetooth & More!

APPLICATIONS

- Smart City
- Smart Home
- Room Occupancy
- Target Tracking
- Collision Avoidance
- Speed, Range & Angle Measurements & More!!!

