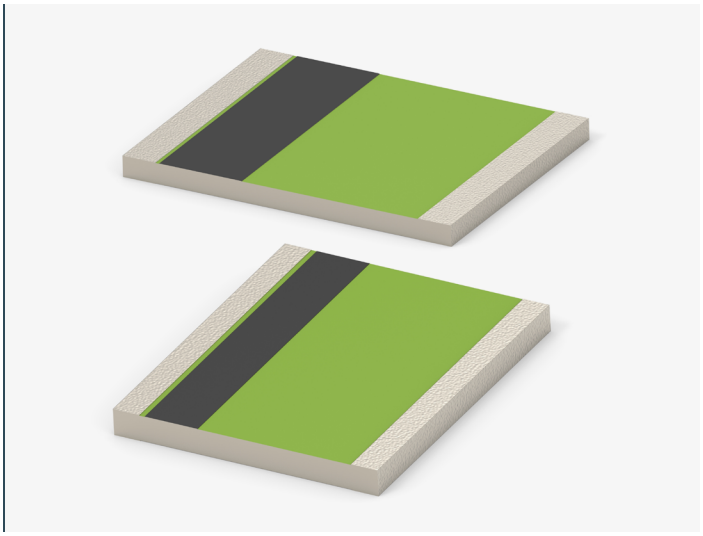
INTRODUCING

ULTRA-WIDE BAND (UWB) CERAMIC CHIP ANTENNAS

- **Designed for short-range wireless applications**
- **Allow for secure communications with a signal that is more difficult to detect and intercept than other signal transmission methods**
- **UWB signals can facilitate centimeter-level positioning, with the ability to locate objects to/within 10cm**



TE Connectivity (TE) ultra-wide band (UWB) ceramic chip antennas can transmit large amounts of data over a wide frequency spectrum. UWB antennas provide a powerful solution in a small package for low and high band UWB channels 1 to 11 (3500 MHz-8500 MHz). Providing secure and reliable communication (up to 50x faster than GPS). TE's UWB antennas combine accuracy, affordability, and ease of deployment in one of the smallest form factors available in the market to offer a low total cost of ownership and wider coverage than most similar products in the market.

APPLICATIONS

- Indoor positioning and localization
- Asset tracking
- Contact tracing
- Vehicle to everything (V2X) communications
- Smart home / Home automation
  - Access control
  - Remote controls
  - Door handles
- Automotive sensors
- Precision surveying
- Factory automation
- Radar / Imaging systems
- Wireless data transmission
- High speed data transmission over short distances
- Secure communication

KEY BENEFITS

- Two part numbers covering 3500 MHz-8500 MHz and 6000 MHz-8000 MHz
- Can replace multiple narrow band antennas and potentially reduce interference
- More accurate distance estimation with centimeter resolution

PRODUCT FEATURES

- Operates in channels 1 through 11
- Low power, high efficiency
- Small form factor
- Can be mounted directly onto a PCB via standard surface mount technology
- RoHS 2.0 Compliant
- AEC-Q200 Compliant

LEARN MORE

- Landing Page
- Part List

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