



## ISM 2.4 GHZ AND 5.9 GHZ PASSIVE CERAMIC PATCH ANTENNAS

TE Connectivity's (TE) ISM 2.4 GHz and 5.9 GHz passive ceramic patch antennas offer high performance and high reliability for wireless applications. TE is your trusted antenna partner to help you complete your system design.

### PRODUCT FACTS

- High performance, high efficiency
- Relatively small (50x50mm) ground plane
- 50Ω
- 2.4 GHz
  - 2400-2500 MHz frequency range
  - Wi-Fi / Bluetooth Low Energy (BLE) communication
  - Surface mount
  - 12x12x4mm
- 5.9 GHz
  - 5850-5925 MHz frequency range
  - Vehicle-to-Everything (V2X) communication
  - Dedicated Short Range Communications (DSRC)
  - Through hole mount
  - 12x12x4mm

### LEARN MORE

- [Landing Page](#)

### APPLICATIONS

- 2.4 GHz ISM (L000697-01)
  - High performance industrial applications in the 2.4MHz Wi-Fi, ISM, and Zigbee bands
  - Provides stable and efficient wireless communication for short-range applications
  - ISM applications, including industrial automation, medical devices, and scientific instruments
  - Can be enabled in Zigbee frequency band for smart home automation, lighting control, and energy management
- 5.9 GHz ISM (L000693-01)
  - Vehicle-to-Everything (V2X) Communication: Enhances vehicle safety by enabling communication between vehicles, infrastructure, and pedestrians. Supports applications like collision avoidance, traffic signal priority, and emergency vehicle notification
  - Dedicated Short Range Communications (DSRC): Facilitates high-speed, low-latency communication for vehicle safety applications. Used in applications such as intersection collision warning, cooperative adaptive cruise control, and platooning.
  - Cellular Vehicle-to-Everything (C-V2X): Provides robust communication for connected and autonomous vehicles. Supports applications like real-time traffic management, remote vehicle diagnostics, and over-the-air updates
  - Intelligent Transportation Systems (ITS): Integrates communication technologies to improve transportation efficiency and safety. Used in applications like smart traffic management, electronic toll collection, and public transportation systems

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### PART NUMBERS

Part Number	Part Description
<a href="#">L000693-01</a>	5.9 GHz ISM Passive Ceramic Patch Antenna, 5850-5925 MHz, 12x12x4mm
<a href="#">L000693-80</a>	Evaluation Board for L000693-01, 5850-5925 MHz
<a href="#">L000697-01</a>	2.4 GHz ISM Passive Ceramic Patch Antenna, 2400-2500 MHz, 12x12x4mm
<a href="#">L000697-80</a>	Evaluation Board for L000697-01, 2400-2500 MHz

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