



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

ISM 2.4 GHZ AND 5.9 GHZ PASSIVE CERAMIC PATCH ANTENNAS

PART NUMBERS

Part Number	Part Description
L000693-01	5.9 GHz ISM Passive Ceramic Patch Antenna, 5850-5925 MHz, 12x12x4mm
L000693-80	Evaluation Board for L000693-01, 5850-5925 MHz
L000697-01	2.4 GHz ISM Passive Ceramic Patch Antenna, 2400-2500 MHz, 12x12x4mm
L000697-80	Evaluation Board for L000697-01, 2400-2500 MHz

te.com

TE, TE Connectivity, TE connectivity (logo), and EVERY CONNECTION COUNTS are trademarks owned or licensed by the TE Connectivity plc family of companies. Other product names, logos, and company names mentioned herein may be trademarks of their respective owners.

The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. Antenna performance may vary. TE is a component manufacturer, and customer and/or end-user is responsible for all end-use compliance and regulatory requirements. TE Connectivity's obligations shall only be as set forth in TE Connectivity's Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.

© 2024 TE Connectivity. All Rights Reserved.

11/24