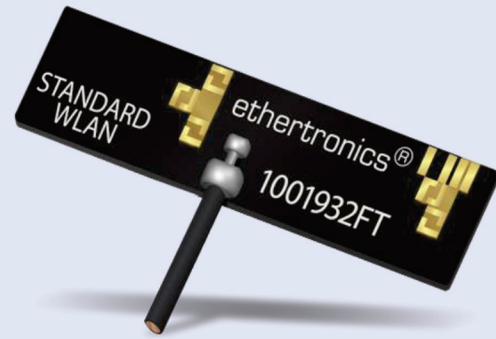


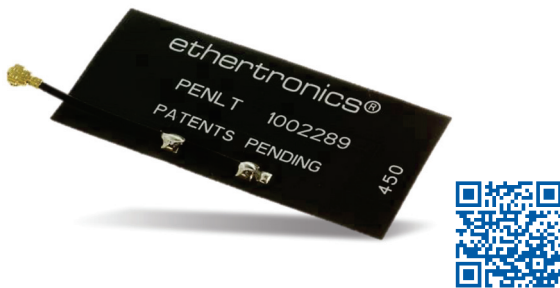
AVX RF Antennas meet today's connectivity demands in the LTE, Wi-Fi®, BLUETOOTH®, GNSS/GPS, and ISM wireless bands. AVX offers the Ethertronics range that is available in surface mount, patch, off-board, and external configurations.

Ethertronic antennas meet and exceed industry standards of performance while reducing board space requirements. AVX RF Antennas are ideal for IoT, tracking, and GPS applications.



## Ethertronics / AVX Cellular & LTE Antennas

*Patented isolated magnetic dipole technology reduces the keep-out area requirement around antennas.*



Ethertronics / AVX Cellular and LTE Antennas are designed with patented isolated magnetic dipole (IMD) technology to reduce the keep-out area requirement around the antenna. The IMD technology reduces the overall board footprint required around the antenna while improving antenna performance. Ethertronics / AVX Cellular and LTE Antennas are available in several form factors designed to satisfy customer needs, including surface-mount FR4, flexible printed circuit, and external.

### Features

- Uses IMD technology to reduce keep-out area requirement
- Available in several form factors
- Surface-mount FR4
- Flexible printed circuit
- External

## Ethertronics / AVX GPS Antennas

*Variety of antennas, including EtherHelix, to meet GPS enabled device requirements.*



Ethertronics / AVX GPS Antennas are designed to meet the demands of a multitude of applications for GPS enabled devices. The GPS antennas are available as a ceramic patch, surface-mount FR4, ceramic chip, or stamped metal antennas. Other antennas are designed with an EtherHelix™ antenna, a small and very efficient external GPS antenna.

### Products by Category

- EtherHelix
- Ceramic patch
- Surface-mount FR4
- Ceramic chip
- Stamped metal antennas

## Ethertronics / AVX WLAN / BT / Zigbee Tunable Embedded Antennas

Offers high functionality and performance for smaller/thinner designs.



Ethertronics WLAN / BT / Zigbee Tunable Embedded PCB Antennas offer high functionality and performance for smaller/thinner designs. The 2.4 / 5GHz dual-band antennas utilize patented Isolated Magnetic Dipole (IMD) technology to deliver a unique size and performance combination. This technology provides superior RF field containment, resulting in less interaction with surrounding components. The antenna has unique features enabling limited range RF tuning by leaving P1 - P6 and C1 - C2 connected by "solder bridge" or disconnected with a "cut" to the trace. WLAN / BT / Zigbee Tunable Embedded PCB Antennas are ideal for Smart Home, Digital Signs, Automotive, and many more applications.

### Features

- Stay-in-Tune
  - Ethertronics antenna technology provides superior RF field containment, resulting in less interaction with surrounding components
- Quicker Time-to-Market
  - By optimizing antenna size, performance and emissions, customer and regulatory specifications are more easily met
- Reliability
  - Products are the latest RoHS version compliant.

# RF Antennas

## AVX RF Products

Includes antennas, DC blocking, filtering, resistors, power splitters, and more.



AVX RF Products include antennas, DC blocking, impedance matching and tuning, filtering, signal feedback, power splitters, thermal management, and RF resistors, terminations, and attenuators. RF Products are ideal for medical, instrumentation, tracking, GPS, software def radios, 5G communications, and IoT applications.



### AVX RF Antennas

Meets today's connectivity demands in the LTE, Wi-Fi®, Bluetooth®, GNSS/GPS, and ISM wireless bands.



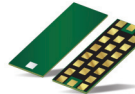
### AVX RF Impedance Matching & Tuning Caps & Inductors

Offer low loss, tight tolerance, and are ideal for impedance matching and antenna tuning.



### AVX RF DC Blocking Capacitors

Offer an ideal solution for DC blocking in many RF applications.



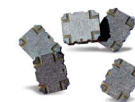
### AVX RF Filters

Frequency range from 500MHz to 6000MHz and power rating from 1W up to 15WCW.



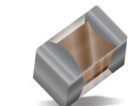
### AVX RF Signal Feedback Couplers

Offer a frequency range from 155 to 6000MHz and power ratings from 1 to 10W.



### AVX RF Power Splitters

Available in 0603, 0805, and 2025 case sizes and offer power ratings from 1W to 30W.



### AVX RF Resistors, Terminations, & Attenuators

Offer a power handling capability range of 1W to 250W.



### AVX RF Thermal Management

Includes a  $\lambda$  (Lambda) bridge thermal conductor that is a cost-effective thermal management solution.