

TE Connectivity's Embedded Antennas for 5GHz WIFI

Applications

LAUNCH DATE: August 2014

As a pioneer of customized embedded antenna solutions, TE Connectivity (TE) announces four new antenna part numbers designed to provide solutions for both single band 5GHz and dual band wireless connectivity including stamped metal antennas and u.fl connected PCB antennas. As a leader of innovative RF solutions, TE's antennas can be applied to a wide range of wireless products including the world's thinnest laptops, leading touch screen smartphones, and even revolutionary gaming consoles. Our existing offering of standard antennas plus these new 5GHz Wi-Fi designs open the door for the creation of wireless devices using pre-engineered antenna solutions from TE.

BENEFITS

- Provide 5GHz antenna solutions in a low profile compact design
- Achieve a cost effective antenna design supported by TE's manufacturing technology and expertise
- Enhance efficiency on media access control meeting IEEE 802.11
- Supported by a global footprint with manufacturing locations for quick time-to-market solutions

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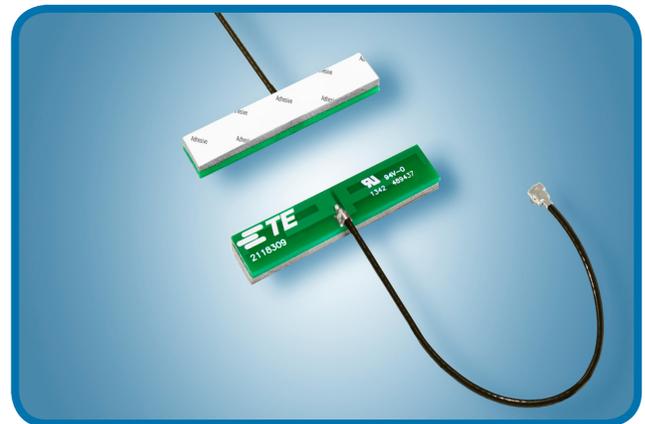
[Embedded Antenna Product Flyer- 2118309-1](#)

[Embedded Antenna Product Flyer- 2118316-1](#)

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STANDARDS & SPECIFICATIONS

	P/N 2118326-1	P/N 2118309-1	P/N 2118316-1	P/N 2118315-1
Frequency Range(MHz)	4900-5875	2400-2483.5; 4900-5875	4900-5875	2400-2483.5; 4900-5875
Peak Gain	+ 2.4 dBi	+ 3.7 dBi	+ 4.9 dBi	+ 4.3 dBi
VSWR	< 2.5:1	<2.0:1	<2.5:1	<2.5:1
Polarization	Linear	Linear	Linear	Linear
Azimuth Beam-width	Omni-directional	Omni-directional	Omni-directional	Omni-directional
Power Handling	3 Watt cw	3 Watt cw	3 Watt cw	3 Watt cw
Feed Point Impedance	50 Ω unbalanced	50 Ω unbalanced	50 Ω unbalanced	50 Ω unbalanced
Size	15.0 mm x 10.0 mm x 1.0 mm	40.0 mm x 8.0 mm x 1.0 mm	11.0 mm x 4.25 mm x 4.90 mm	35.95 mm x 6.05 mm x 4.28 mm
Weight	1.0 g	1.4 g	0.2 g	1.2 g



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APPLICATIONS

- 5GHz WiFi
- Handheld devices
- Security systems and security detection
- IEEE 802.11 a/b/g/n/ac/ad networking
- Gaming devices
- Thermostats
- 2.4/5GHz Dual Band WiFi
- Wireless printers and routers
- HDTV
- Set top boxes
- WiFi routers
- Access Points



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