

WiFi Antennas

LTE FPC Antenna

The PCB & FPC WiFi antenna range offers customers a reliable and easy drop in solution for integrated WiFi communications.

The Antennas can be customized to your specifications for cable length and connector type. Bel has diverse communications experience of over 20 years and can also provide a fully integrated design solution, utilizing our portfolio of products.

Antennas come with an easy peel adhesive making it a simple solution for mounting to a case or existing PCB.



Key Features & Benefits

- 60 x 8 mm Antenna
- Connector types can be customized
- Cable lengths can be customized
- Ideal for Industrial applications
- 50 Ω Impedance
- 10 N of pull force
- Easy connection to existing PCBs
- Adhesive provides easy case mounting
- Provides robust reliability



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MODELS

PART NUMBER	TEMP RANGE	CONNECTION	MARKET
0804-WFAN-F1	0 °C to +65 °C	IPEX (Customizable)	Worldwide

ELECTRICAL CHARACTERISTICS

SERIES OF MEASURE	VALUES
Frequency	700 – 960 MHz
	1710 – 1990 MHz
	1990 – 2170 MHz
V.S.W.R	< 2.0 @ 2170 MHz
Antenna Gain	3 dBi ± 0.7 @ E-Plane // Peak Gain
Polarization	Linear
Impedance	50 Ω

MATERIAL & MECHANICAL INFORMATION

ITEM	DESCRIPTION
Material of Radiator	FR-4
Cable Type	RG-1.13
Antenna Size	60 * 8 * 0.1 mm
Connector Type	50 Ω I-PEX MHF202078-111R-13
Cable Length	13 cm

ENVIRONMENTAL

ITEM	DESCRIPTION
Operational Temperature	0 °C to +65 °C
Storage Temperature	0 °C to +80 °C

GAINS & EFFICIENCY

FREQUENCY	E TOTAL. dB	EFFICIENCY %
2400 MHz	1.85	73
2440 MHz	2.19	75
2483.5 MHz	2.02	71
4900 MHz	4.80	68
5400 MHz	4.33	63
5875 MHz	4.33	62

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MECHANICAL

