

WiFi Antennas

4G LTE PCB 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

- 66 x 13 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-01	-40 °C to +80 °C	IPEX (Customizable)	Worldwide

ELECTRICAL CHARACTERISTICS

SERIES OF MEASURE	VALUES
Frequency	704 – 960 MHz 1710 – 2700 MHz
V.S.W.R	704 – 960 MHz < 1.9 1710 – 2700 MHz < 1.9
Antenna Gain	704 – 960 MHz 3.0 ± 1.7 dBi 1710 – 2700 MHz 3.0 ± 1.7 dBi
Polarization	Linear
Impedance	50 Ω

MATERIAL & MECHANICAL INFORMATION

ITEM	DESCRIPTION
Material of Radiator	PCB
Material of Plastic	FR-4
Cable Type	OD1.13 mm
Connector Type	Mini Connector
Connector Pull Test	≥ 1 kg

ENVIRONMENTAL

ITEM	DESCRIPTION
Operational Temperature	-40 °C to +80 °C
Storage Temperature	-40 °C to +85 °C

GAINS & EFFICIENCY

FREQUENCY	E TOTAL. dB	EFFICIENCY %
780 MHz	4.15	71
805 MHz	4.42	62
930 MHz	5.18	48
1910 MHz	6.11	55
2110 MHz	6.86	50
2700 MHz	5.53	54

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MECHANICAL

