

Portable Dual Band Antenna Operates From 2.4 GHz to 5.8 GHz With a Nominal 2 dBi Gain Reverse Polarity - TNC Male Input Connector

FM51088



Features

- Vertical Polarized
- Straight Rubberduck / External Dipole
- 2.4 to 2.5 / 4.9 to 5.825 GHz
- 2 dBi gain
- RP-TNC Male Connector
- Gray

Applications

- 2.4 GHz Wi-Fi
- Industrial IoT
- Zigbee, Bluetooth
- 5 GHz WLAN / Wi-Fi Networks
- Public Safety

Description

FM51088 from Fairview Microwave is part of our extensive in-stock omni-directional radio antenna selection. This dual band portable antenna has a frequency range of 2.4 GHz to 2.5 GHz, 4.9 GHz to 5.1 GHz and a 2 nominal dBi gain. Our portable antenna uses RP-TNC male connector and is rated for 0 Watts input. FM51088 portable radio antenna is one of over 40,000 RF, microwave and millimeter wave components supplied from Fairview Microwave. Our portable aerial can be bought and shipped worldwide the same-day as with our other available RF parts.

Configuration

Design	Portable
Band Type	Dual
Radiation Pattern	Omni Directional
Polarization	Vertical
Connector Type	TNC Male Reverse Polarity

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	2,400		5,800	MHz
Input VSWR			2.5:1	
Impedance		50		Ohms
Gain	2			

Specifications by Band

Description	Band 1	Band 2	Band 3	Band 4	Band 5	Units
Frequency	2.4 to 2.5	4.9 to 5.1	5.1 to 5.8			GHz
VSWR Max	2:1	3:1	2.5:1			

Mechanical Specifications

Radome Material	ABS
Size	
Length	3.57 in [90.68 mm]
Width	0.57 in [14.48 mm]
Height	0.57 in [14.48 mm]

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Weight

0.053 lbs [24.04 g]

Environmental Specifications

Temperature

Compliance Certifications (see [product page](#) for current document)

Plotted and Other Data

Notes:

Typical Radiation Pattern

Appendix

Electrical Downtilt: Angle in the antenna's elevation pattern in which the maximum gain occurs.

Gain: Antenna's average gain.

Front to Back Ratio @ 180°±30°: Average difference between the antenna's maximum gain and the maximum gain in the antenna's back lobe over ±30° angles.

Cross-polarization Ratio (dB): Typical difference between the co-polarization and cross-polarization gain across the sector's 3 dB Beam Width.

Portable Dual Band Antenna Operates From 2.4 GHz to 5.8 GHz With a Nominal 2 dBi Gain Reverse Polarity - TNC Male Input Connector from Fairview Microwave is in-stock and available to ship same-day. All of our RF/microwave products are available off-the-shelf from our ISO 9001:2008 certified facilities in Lewisville, Texas. Fairview Microwave is RF on-demand.

For additional information on this product, please click the following link: [Portable Dual Band Antenna Operates From 2.4 GHz to 5.8 GHz With a Nominal 2 dBi Gain Reverse Polarity - TNC Male Input Connector FM51088](#)

URL: <https://www.fairviewmicrowave.com/product/antennas/dbi-dualband-portable-antenna-2400-5800-mhz-tnc-connector-fm51088.html>

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FM51088 CAD Drawing

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