

## 2.4 GHz 3 dBi Black Radome Enclosed Omni Antenna - Type-N Female Bulkhead

The FM510M1023 is a very compact 2.4GHz Omni WiFi antennas provide broad coverage and 3 dBi gain. They are ideally suited for IEEE 802.11b and 802.11g wireless LANs, Bluetooth<sup>®</sup> and other applications where wide coverage is desired.

This RF antenna is only 2.7" long and features a Black aesthetic ABS plastic radome. White radomes are also available upon request. Designed for bulkhead mounting, the FM510M1023 features an integral Type-N Female bulkhead connector. Because of its near-invisible design this antenna is ideal for use on vehicles where vandal-resistance and aesthetics are important.

### Configuration

Design	Mobile
Gain	3
Polarization	Vertical
Connector Type	N Female
Number of Ports	1
Lightning Protection	DC Open

### Electrical Specifications

Description	Min	Typ	Max	Units
Frequency Range	2,400		2,500	MHz
Input VSWR			1.5:1	
Impedance		50		Ohms
Gain		3		dBi
Horizontal (Azimuth) Beam Width		360		Degrees
Vertical (Elevation) Beam Width		80		Degrees
Input Power			100	Watts

### Mechanical Specifications

Radome Material	ABS
<b>Size</b>	
Length	2.7 in [68.58 mm]
Width	1.4 in [35.56 mm]
Height	1.4 in [35.56 mm]
Weight	0.25 lbs [113.4 g]

### Environmental Specifications

<b>Temperature</b>	
Operating Range	-40 to +85 deg C
Wind Loading	150 MPH [241.4 KPH]
Ingress Protection	IP66

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

### Plotted and Other Data

Notes:



### Features:

- Radome Enclosed, ideal for outdoor use
- Compact size
- Integral Type-N Female bulkhead mount connector

### Applications:

- 2.4 GHz ISM Band
- IEEE 802.11b and 802.11g Wireless LAN
- WiFi and Bluetooth<sup>®</sup> applications
- Wireless Video Systems
- Multipoint and Mobile Applications

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For additional information on this product, please click the following link: [2.4 GHz 3 dBi Black Radome Enclosed Omni Antenna - Type-N Female Bulkhead FM51OM1023](#)

URL: <https://www.fairviewmicrowave.com/single-antenna-3-dbi-gain-n-fm51om1023-p.aspx>

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