sales@eddywireless.com

OmniAnt™

8dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

The OmniAnt™ is a top quality, omnidirectional antenna that can be used as an internal/external antenna for amplifiers/repeaters/boosters (GSM/PCS/DCS/2G/3G/4G/AWS/UMTS/WiMAX), direct-connect antenna for cellular devices such as cell phones, modems, and mobile hotspots, direct-connect antenna for Wi-Fi devices, and direct-connect antenna for WiMAX devices. It is meant for the indoors/outdoors and the mount type is for desktop/magnetic. The OmniAnt™ has a bandwidth of 700MHz to 5200MHz and a peak gain of 8.4 dB. Its nominal impedance is 50 Ohms and its connector type is SMA-Female. The OmniAnt™ weights 1 lb (454 g) and measures 4 x 6.4 x 6.4 in (10 x 16 x 16 cm). The OmniAnt™ is a durable, high-efficiency antenna with top-notch features and performance, and it's made in the USA with high quality components and skilled craftsmanship.

Main Features

- Perfect as an internal/external antenna for amplifiers/repeaters/boosters (GSM/PCS/DCS/2G/3G/4G/AWS/UMTS/WiMAX), direct-connect antenna for cellular devices such as cell phones, modems, and mobile hotspots, direct-connect antenna for Wi-Fi devices, and direct-connect antenna for WiMAX devices

- Very wide operational bandwidth of 700MHz to 5200MHz. Peak gain of 8.4 dB. Omnidirectional radiation type with desktop/magnetic type mount

- Nominal impedance of 50 Ohms with vertical polarization and recommended mainly for indoors/outdoors use

- with wind resistance up to N/A and operating temperature of -40°F to 185°F (-40°C to 185°C). Horizontal radiation pattern of 360°

- Made in the USA with high quality components and skilled craftsmanship. One year manufacturer warranty included

Data Sheet and Technical Specifications

Trademark Name	**OmniAnt™**
Part Number / SKU	OMNA-50-OHM
UPC	633643377071
Applications	Internal/external antenna for amplifiers/repeaters/boosters (GSM/PCS/DCS/2G/3G/4G/AWS/UMTS/WiMAX), direct-connect antenna for cellular devices such as cell phones, modems, and mobile hotspots, direct-connect antenna for Wi-Fi devices, and direct-connect antenna for WiMAX devices
Environment	Indoors/Outdoors

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Radiation Type	Omnidirectional
Mount Type	Desktop/Magnetic
Connector Type	SMA-Female
Bandwidth	700MHz to 5200MHz
Nominal Gain at 750MHz	6 dB
Nominal Gain at 800MHz	6.2 dB
Nominal Gain at 850MHz	6.4 dB
Nominal Gain at 900MHz	6.6 dB
Nominal Gain at 1700MHz	7 dB
Nominal Gain at 1800MHz	7.2 dB
Nominal Gain at 1900MHz	7.4 dB
Nominal Gain at 2100MHz	7.6 dB
Nominal Gain at 24000MHz	7.8 dB
Nominal Gain at 2500MHz	8 dB
Nominal Gain at 2600MHz	8.2 dB
Nominal Gain at 2700MHz	8.4 dB
Nominal Gain at 3500MHz	9 dB
Standing Wave Ratio (VSWR) at 750MHz	1.5:1 typical (1.9:1 max)
Standing Wave Ratio (VSWR) at 800MHz	1.2:1 typical (1.4:1 max)

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Standing Wave Ratio (VSWR) at 850MHz	1.1:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.1:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 1700MHz	1.1:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 1800MHz	1.1:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 1900MHz	1.1:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 2100MHz	1.1:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 24000MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 2500MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 2600MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 2700MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 3500MHz	1.2:1 typical (1.4:1 max)
Nominal Impedance	50 Ohms
Front-Back Ratio	N/A

8dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

Polarization	Vertical
Horizontal Beamwidth	360°
Vertical Beamwidth	130°
Maximum Continuous Applicable Power	45 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	1 lb (454 g)
Dimensions (Height x Width x Depth)	4 x 6.4 x 6.4 in (10 x 16 x 16 cm)
Wind Rate Resistance	N/A
Lightning Protection	N/A
Radome Material	UV-Protected ABS Plastic
Operating Temperature	-40°F to 185°F (-40°C to 185°C)
Other Features	
Production Status	**Active**

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