

Omnirial™

9dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots



The Omnirial™ is a top quality, omnidirectional antenna that can be used as an 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 outdoors and the mount type is for pole/mast. The Omnirial™ has a bandwidth of 700MHz to 5200MHz and a peak gain of 9.4 dB. Its nominal impedance is 50 Ohms and its connector type is N-Female. The Omnirial™ weights 1.7 lbs (770 g) and measures 11.5 x 8 x 3 in (28.75 x 20 x 7.5 cm). The Omnirial™ 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 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 9.4 dB. Omnidirectional radiation type with pole/mast type mount

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

- with wind resistance up to 140 mph (225 kmh) 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	Omnirial™
----------------	-----------

Part Number / SKU	OMN-50-OHM
-------------------	------------

UPC	633643377095
-----	--------------

Applications	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	Outdoors
-------------	----------

9dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

Radiation Type	Omnidirectional
Mount Type	Pole/Mast
Connector Type	N-Female
Bandwidth	700MHz to 5200MHz
Nominal Gain at 750MHz	7 dB
Nominal Gain at 800MHz	7.2 dB
Nominal Gain at 850MHz	7.4 dB
Nominal Gain at 900MHz	7.6 dB
Nominal Gain at 1700MHz	8 dB
Nominal Gain at 1800MHz	8.2 dB
Nominal Gain at 1900MHz	8.4 dB
Nominal Gain at 2100MHz	8.6 dB
Nominal Gain at 2400MHz	8.8 dB
Nominal Gain at 2500MHz	9 dB
Nominal Gain at 2600MHz	9.2 dB
Nominal Gain at 2700MHz	9.4 dB
Nominal Gain at 3500MHz	10 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)

9dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

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 2400MHz	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

9dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

Polarization	Vertical
Horizontal Beamwidth	360°
Vertical Beamwidth	120°
Maximum Continuous Applicable Power	110 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	1.7 lbs (770 g)
Dimensions (Height x Width x Depth)	11.5 x 8 x 3 in (28.75 x 20 x 7.5 cm)
Wind Rate Resistance	140 mph (225 kmh)
Lightning Protection	DC-Shorted
Radome Material	UV-Protected ABS Plastic
Operating Temperature	-40°F to 185°F (-40°C to 185°C)
Other Features	
Production Status	Active



sales@eddywireless.com