

DomeAerial™

6dB Wide Band Antenna for Amplifiers, Boosters, Repeaters



The DomeAerial™ is a top quality, omnidirectional antenna that can be used as an internal antenna for amplifiers/repeaters/boosters (GSM/PCS/DCS/2G/3G/4G/AWS/UMTS/WiMAX). It is meant for the indoors and the mount type is for wall/ceiling. The DomeAerial™ has a bandwidth of 700MHz to 5200MHz and a peak gain of 6.4 dB. Its nominal impedance is 50 Ohms and its connector type is N-Female. The DomeAerial™ weights 9 ozs (255 g) and measures 5.7 x 4.6 x 4.6 in (14.25 x 11.5 x 11.5 cm). The DomeAerial™ 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 antenna for amplifiers/repeaters/boosters (GSM/PCS/DCS/2G/3G/4G/AWS/UMTS/WiMAX)
- Very wide operational bandwidth of 700MHz to 5200MHz. Peak gain of 6.4 dB. Omnidirectional radiation type with wall/ceiling type mount
- Nominal impedance of 50 Ohms with vertical polarization and recommended mainly for indoors 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	DomeAerial™
Part Number / SKU	DAE-50-OHM
UPC	633643376937
Applications	Internal antenna for amplifiers/repeaters/boosters (GSM/PCS/DCS/2G/3G/4G/AWS/UMTS/WiMAX)
Environment	Indoors
Radiation Type	Omnidirectional
Mount Type	Wall/Ceiling
Connector Type	N-Female
Bandwidth	700MHz to 5200MHz
Nominal Gain at 750MHz	4 dB
Nominal Gain at 800MHz	4.2 dB

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Nominal Gain at 850MHz	4.4 dB
Nominal Gain at 900MHz	4.6 dB
Nominal Gain at 1700MHz	5 dB
Nominal Gain at 1800MHz	5.2 dB
Nominal Gain at 1900MHz	5.4 dB
Nominal Gain at 2100MHz	5.6 dB
Nominal Gain at 2400MHz	5.8 dB
Nominal Gain at 2500MHz	6 dB
Nominal Gain at 2600MHz	6.2 dB
Nominal Gain at 2700MHz	6.4 dB
Nominal Gain at 3500MHz	7 dB
Standing Wave Ratio (VSWR) at 750MHz	1.2:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 800MHz	1.3:1 typical (1.6:1 max)
Standing Wave Ratio (VSWR) at 850MHz	1.2:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.2:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 1700MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 1800MHz	1.2:1 typical (1.4:1 max)
Standing Wave Ratio (VSWR) at 1900MHz	1.2:1 typical (1.4:1 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 (1.5:1 max)
Nominal Impedance	50 Ohms

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Front-Back Ratio	N/A
Polarization	Vertical
Horizontal Beamwidth	360°
Vertical Beamwidth	70°
Maximum Continuous Applicable Power	115 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	9 ozs (255 g)
Dimensions (Height x Width x Depth)	5.7 x 4.6 x 4.6 in (14.25 x 11.5 x 11.5 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



sales@eddywireless.com