

DomeAnt™

7dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

The DomeAnt™ 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), 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 and the mount type is for desktop. The DomeAnt™ has a bandwidth of 700MHz to 5200MHz and a peak gain of 7.4 dB. Its nominal impedance is 50 Ohms and its connector type is SMA-Female. The DomeAnt™ weights 4.9 ozs (140 g) and measures 5.6 x 4.6 x 4.6 in (14 x 11.5 x 11.5 cm). The DomeAnt™ 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), 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 7.4 dB. Omnidirectional radiation type with desktop 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
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Data Sheet and Technical Specifications

Trademark Name	DomeAnt™
Part Number / SKU	DMA-50-OHM
UPC	633643376999
Applications	Internal 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

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Radiation Type	Omnidirectional
Mount Type	Desktop
Connector Type	SMA-Female
Bandwidth	700MHz to 5200MHz
Nominal Gain at 750MHz	5 dB
Nominal Gain at 800MHz	5.2 dB
Nominal Gain at 850MHz	5.4 dB
Nominal Gain at 900MHz	5.6 dB
Nominal Gain at 1700MHz	6 dB
Nominal Gain at 1800MHz	6.2 dB
Nominal Gain at 1900MHz	6.4 dB
Nominal Gain at 2100MHz	6.6 dB
Nominal Gain at 2400MHz	6.8 dB
Nominal Gain at 2500MHz	7 dB
Nominal Gain at 2600MHz	7.2 dB
Nominal Gain at 2700MHz	7.4 dB
Nominal Gain at 3500MHz	8 dB
Standing Wave Ratio (VSWR) at 750MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 800MHz	1.4:1 typical (1.7:1 max)

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Standing Wave Ratio (VSWR) at 850MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 1700MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 1800MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 1900MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2100MHz	1.5:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2400MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2500MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2600MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 2700MHz	1.4:1 typical (1.8:1 max)
Standing Wave Ratio (VSWR) at 3500MHz	1.3:1 typical (1.8:1 max)
Nominal Impedance	50 Ohms
Front-Back Ratio	N/A

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Polarization	Vertical
Horizontal Beamwidth	360°
Vertical Beamwidth	150°
Maximum Continuous Applicable Power	25 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	4.9 ozs (140 g)
Dimensions (Height x Width x Depth)	5.6 x 4.6 x 4.6 in (14 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

DomeAnt™ Radiation Patterns and Additional Diagrams



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