

FlexAnt™

11dB Wide Band Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

The FlexAnt™ is a top quality, semi-directional 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 wall/pole/mast/desktop/ceiling. The FlexAnt™ has a bandwidth of 700MHz to 5200MHz and a peak gain of 11.4 dB. Its nominal impedance is 50 Ohms and its connector type is FME-Male and N-Female. The FlexAnt™ weighs 9.6 ozs (270 g) and measures 7.5 x 4.5 x 1.5 in (18.75 x 11.25 x 3.75 cm). The FlexAnt™ 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 11.4 dB. Semi-Directional radiation type with wall/pole/mast/desktop/ceiling type mount
- Nominal impedance of 50 Ohms with vertical polarization and recommended mainly for indoors/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 250°
- Made in the USA with high quality components and skilled craftsmanship. One year manufacturer warranty included

Data Sheet and Technical Specifications

Trademark Name	FlexAnt™
Part Number / SKU	FLX-50-OHM
UPC	633643377033
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	Semi-Directional
Mount Type	Wall/Pole/Mast/Desktop/Ceiling
Connector Type	FME-Male and N-Female
Bandwidth	700MHz to 5200MHz
Nominal Gain at 750MHz	9 dB
Nominal Gain at 800MHz	9.2 dB
Nominal Gain at 850MHz	9.4 dB
Nominal Gain at 900MHz	9.6 dB
Nominal Gain at 1700MHz	10 dB
Nominal Gain at 1800MHz	10.2 dB
Nominal Gain at 1900MHz	10.4 dB
Nominal Gain at 2100MHz	10.6 dB
Nominal Gain at 2400MHz	10.8 dB
Nominal Gain at 2500MHz	11 dB
Nominal Gain at 2600MHz	11.2 dB
Nominal Gain at 2700MHz	11.4 dB
Nominal Gain at 3500MHz	12 dB
Standing Wave Ratio (VSWR) at 750MHz	1.7:1 typical (2.1:1 max)
Standing Wave Ratio (VSWR) at 800MHz	1.7:1 typical (2.1:1 max)

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Standing Wave Ratio (VSWR) at 850MHz	1.5:1 typical (1.7:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.5:1 typical (1.7:1 max)
Standing Wave Ratio (VSWR) at 1700MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 1800MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 1900MHz	1.3:1 typical (1.5:1 max)
Standing Wave Ratio (VSWR) at 2100MHz	1.3:1 typical (1.7:1 max)
Standing Wave Ratio (VSWR) at 2400MHz	1.3:1 typical (1.7:1 max)
Standing Wave Ratio (VSWR) at 2500MHz	1.3:1 typical (1.7:1 max)
Standing Wave Ratio (VSWR) at 2600MHz	1.3:1 typical (1.7:1 max)
Standing Wave Ratio (VSWR) at 2700MHz	1.3:1 typical (1.7:1 max)
Standing Wave Ratio (VSWR) at 3500MHz	1.3:1 typical (1.7:1 max)
Nominal Impedance	50 Ohms
Front-Back Ratio	5 dB

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Polarization	Vertical
Horizontal Beamwidth	250°
Vertical Beamwidth	120°
Maximum Continuous Applicable Power	25 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	9.6 ozs (270 g)
Dimensions (Height x Width x Depth)	7.5 x 4.5 x 1.5 in (18.75 x 11.25 x 3.75 cm)
Wind Rate Resistance	140 mph (225 kmh)
Lightning Protection	Optional
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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