

## AeriaFlex™

### 6dB Wide Band Mini Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

The AeriaFlex™ is a top quality, 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/desktop. The AeriaFlex™ 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 AeriaFlex™ weights 11.2 ozs (320 g) and measures 4 x 5 x 1.6 in (10 x 12.5 x 4 cm). The AeriaFlex™ 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 6.4 dB. Directional radiation type with wall/desktop type mount
- Nominal impedance of 50 Ohms with vertical polarization and recommended mainly for indoors/outdoors use
- All-weather protected 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 75°
- Made in the USA with high quality components and skilled craftsmanship. One year manufacturer warranty included

#### Data Sheet and Technical Specifications

Trademark Name	<b>AeriaFlex™</b>
Part Number / SKU	AFLX-50-OHM
UPC	633643348231
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

## 6dB Wide Band Mini Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

Radiation Type	Directional
Mount Type	Wall/Desktop
Connector Type	N-Female
Bandwidth	700MHz to 5200MHz
Nominal Gain at 750MHz	4 dB
Nominal Gain at 800MHz	4.2 dB
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	1.4:1 typical (1.6:1 max)
Standing Wave Ratio (VSWR) at 800MHz	1.4:1 typical (1.6:1 max)

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Standing Wave Ratio (VSWR) at 850MHz	1.3:1 typical (1.7:1 max)
Standing Wave Ratio (VSWR) at 900MHz	1.4:1 typical (1.6:1 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 (1.3:1 max)
Standing Wave Ratio (VSWR) at 2500MHz	1.2:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 2600MHz	1.2:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 2700MHz	1.2:1 typical (1.3:1 max)
Standing Wave Ratio (VSWR) at 3500MHz	1.3:1 typical (1.5:1 max)
Nominal Impedance	50 Ohms
Front-Back Ratio	25 dB

## 6dB Wide Band Mini Antenna for Amplifiers, Boosters, Repeaters, Modems, Hotspots

Polarization	Vertical
Horizontal Beamwidth	75°
Vertical Beamwidth	55°
Maximum Continuous Applicable Power	55 W
Power Requirements	None (passive antenna)
Net Weight (Mount Included when applicable)	11.2 ozs (320 g)
Dimensions (Height x Width x Depth)	4 x 5 x 1.6 in (10 x 12.5 x 4 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	All-weather protected
Production Status	<b>Active</b>

