

Omni Directional Antenna 810-960 MHz

Features

- o Extremely Broadband Characteristics
- o Compact and Gain 4.5 dBi peak
- o In-door or Out-door application used
- o Designed to meet MIL-E-16400



Description

The BORNTEK #B6F-8196-C7 is a compact high performance Omni-Directional antenna designed for the 810~960 MHz Cellular Band. This very compact & efficiency antenna is ideally suited for multipoint mobile applications including service vehicles, public transportation, law enforcement, mining and construction vehicles, as well a numerous other commercial and industrial applications where mobility and wide coverage is desired. Typical applications include 800MHz CDMA, 900MHz GSM, ISM 900MHz, SCADA & Wireless Video Links.

Electrical Specifications

Frequency Range	□	□	□	□	810~960 MHz
Gain / peak, min. (within 3M cable loss)	□	□	□	□	4.5 +/- 0.25 dBi
Polarization	□	□	□	□	Vertical
H-HPBW	□	□	□	□	360 deg
E-HPBW	□	□	□	□	40 deg
Impedance	□	□	□	□	50 ohms
VSWR / min.	□	□	□	□	1.8:1
Power Handling	□	□	□	□	10 watts / CW
Lighting Protection	□	□	□	□	DC Ground
Connector	□	□	□	□	TNC - Female
Cable Type	□	□	□	□	HDF-200
Cable Length	□	□	□	□	3 meters
Dimension / without bracket	□	□	□	□	440mm

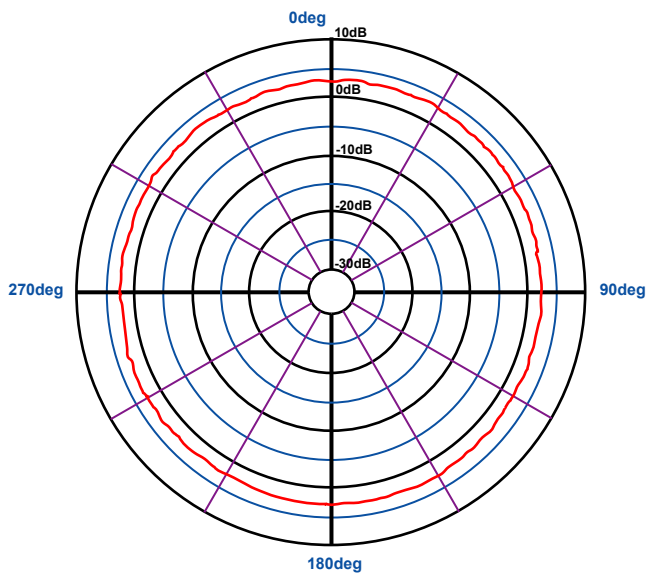
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Radiation Pattern / E-Plane



Radiation Pattern / H-Plane



✧ Measurement Freq. at 850MHz

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PKG Information

Quantity	P/N	Dimension
One pcs	#B6F-8196-C7P01	538 x 109 x 42 mm
10 pcs	#B6F-8196-C7P02	554 x 236 x 245 mm
40 pcs	#B6F-8196-C7P03	574 x 500 x 542 mm

Note:

#B6F-8196-C7P01

Material: B wave type / Corrugated Paper
Breaking Strength: 12Kg/cm2
Color: Brown

#B6F-8196-C7P02

Material: AB wave type / Corrugated Paper
Breaking Strength: 14Kg/cm2
Color: Brown

#B6F-8196-C7P03

Material: AB wave type / Corrugated Paper
Breaking Strength: 14Kg/cm2
Color: Brown

Contact Information:

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