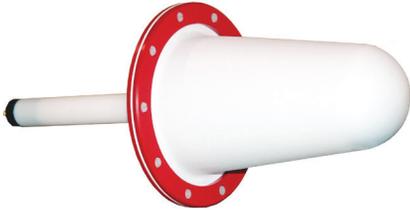


ANTENNA MODEL 3181



MODEL 3181

- 500 MHz to 18 GHz Frequency Range
- Ideal For:
 - Chamber Characterization
 - Broadband Spectrum Monitoring
 - Omnidirectional Pattern
 - CISPR 16 / EN55016

ETS-Lindgren's Model 3181 Broadband Mini-Bicon Antenna is a broadband omnidirectional antenna with a radiation pattern that conforms to the CISPR-16 specifications. It can also be used for surveying or spectrum monitoring when used with a portable spectrum analyzer.

Features

Frequency

The antenna exhibits better than 2:1 VSWR for most of its range, and never exceeds 5:1 above 1 GHz.

Radiation Pattern

The radiation pattern of the Model 3181 is omnidirectional in the H-plane. This means the antenna can receive signals from every direction around its axis.

Spectrum Monitoring

The Model 3181 can be used for EM Field surveying and spectrum monitoring. Its low weight design allows for use as a surveying tool, when connected to a portable spectrum analyzer.

Technical Specifications

Electrical	
Frequency Minimum	500 MHz
Frequency Maximum	18 GHz
Impedance (Nominal)	50
Maximum Continuous Power	50 W @ 1 GHz, 25 W @ 18 GHz
Pattern Type	Omnidirectional
Polarization	Linear (Vertical)
VSWR Ratio (Average)	<2:1
Connectors	SMA (F)
Physical	
Length	37.1 cm (14.6 in)
Width	15.2 cm (6.00 in)
Stinger Length	17.0 cm (6.7 in)
Weight	1.0 kg (2.28 lb)

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