THE ETS-LINDGREN MODEL 3184 BROADBAND MINI-BICON ANTENNA

is a radome-protected, broadband antenna with a frequency range of 1 GHz - 18 GHz. Its omnidirectional pattern and broadband frequency range make it ideal for surveying or spectrum monitoring, when used with a portable spectrum analyzer.

A weatherizing kit is standard on the Model 3184 for prolonged outdoor monitoring.

FEATURES

Frequency Range
The Model 3184 is designed to have the lowest possible VSWR across its range of operation. The antenna exhibits an average 2:1 VSWR.

Radiation Pattern
The radiation pattern of the Model 3184 is omnidirectional in the H-plane. This means the antenna can receive signals from every direction around its axis.

Spectrum Monitoring
The Model 3184 can be used for EM Field surveying and spectrum monitoring. The low weight design allows use as a field surveying tool, in conjunction with a portable spectrum analyzer.

IEC-61000-4-3
Because of its small size, the antenna can also be used for amplifier harmonic measurements per the IEC 61000-4-3 Radiated Immunity Test.

STANDARD CONFIGURATION

- Antenna
- Antenna Mount for Tripod
- Manual
- Individually Calibrated at 1 m per SAE ARP 958 at our A2LA accredited lab. Actual Antenna Factors and a Signed Certificate of Calibration Conformance Included with Manual
- Weatherizing Kit

OPTIONAL CONFIGURATION

- ETS-Lindgren offers several non-metallic, non-reflective tripods

www.ets-lindgren.com
Broadband Mini-Bicon Antenna
Model 3184

Electrical Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>FREQUENCY RANGE</th>
<th>VSWR RATIO (AVG)</th>
<th>MAXIMUM CONTINUOUS POWER</th>
<th>IMPEDANCE (NOMINAL)</th>
<th>CONNECTORS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3184</td>
<td>1 GHz - 18 GHz</td>
<td>2.1</td>
<td>50 watts @ 1 GHz</td>
<td>50 Ω</td>
<td>SMA (F)</td>
</tr>
</tbody>
</table>

Physical Specifications

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LENGTH</th>
<th>WIDTH</th>
<th>STINGER LENGTH</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>3184</td>
<td>36.2 cm</td>
<td>15.25 cm</td>
<td>17.8 cm</td>
<td>7 kg</td>
</tr>
</tbody>
</table>

Gain/Antenna Factor Typical Performance

Model 3184 Typical Elevation Pattern
2 GHz - 7 GHz

Model 3184 Typical Elevation Pattern
8 GHz - 13 GHz

Model 3184 Typical Elevation Pattern
14 GHz - 18 GHz

Model 3184 Typical Azimuth Pattern
2 GHz - 18 GHz