



3183B Broadband Mini-Bicon Antenna



The radiation pattern is omni directional in the H plane, allowing the antenna to receive signals from every direction around the axis. The range covers most wireless bands worldwide, and is designed for the lowest possible VSWR across the range of operation. The antenna exhibits better than 2:1 VSWR for most of the range, and never exceeds 5:1 above 1 GHz. The small size of the antenna enables it to be used for amplifier harmonic measurements when performing tests per IEC 61000-4-3. It is also ideal when performing the TDsVSWR test as per ANSI C63.25 standard.

Key Features

- Named 2019 EMC Product of the Year
- 1 GHz to 18 GHz Frequency Range
- 2:1 VSWR Average
- Up to 20W Input Power
- Constant E- and H-Plane Beamwidth
- Flat Directivity

Product Features

Frequency Range

The antenna covers a frequency range of 1 GHz to 18 GHz, making it ideal as a receive antenna for performing the site VSWR chamber validation method per CISPR 16 standard.

Low VSWR

The typical VSWR for the model 3183B is less than 2:1.

Specifications

Physical Specifications

Width: 10.80 cm (4.25 in)

Length: 37.70 cm (14.86 in)

Stinger Length: 25.10 cm (9.88 in)

Weight: 1.45 kg (3.20 lb)

Electrical Specifications Frequency

Minimum: 1 GHz

Maximum Continuous Power: 20 W

Impedance (Nominal): 50

VSWR (Average): 2:1
Connector: SMA (Female)

Pattern Type: Directional
Polarization: Linear

Product Options

ETS-Lindgren Offers Several Non-metallic, Non-reactive Tripods

Product Configuration

- Antenna
- Mounting Fixture for 1/4 in x 20 Threads
- Individually The calibration results will be radiation pattern graphs with Pass/Fail criteria.
- Manual