

EM-6912A | Antenna, Biconical



Description

A balun, feedline, and element cage give the Electro-Metrics EM-6912A response curves that are almost linear, making it ideal for swept measurements. An added benefit is that the EM-6912A has an improved BALUN design, which makes it insensitive to changes of orientation while vertically polarized. Readings obtained will be the same no matter which element is closest to the ground plane, eliminating a potential source of measurement error.

Applications

The EM-6912A Biconical Antenna operates over the 30-300 MHz frequency range. The antenna is ideally suited for use in FCC, SAE, and MIL- STD radiated emissions testing. The EM-6912A broadband frequency capability eliminates the need for band switching, element extension, or external tuning when used for electromagnetic ambient surveys or spectrum signature measurements. The compact size of the EM-6912A is advantageous for use in anechoic chambers and shielded enclosures.

Specifications

Electrical

Frequency Range: 30-300MHz

VSWR:

Average: 1.4:1 with 6 dB attenuator

Maximum: 1:8:1 with 6 dB attenuator

Max. Cont. Power: 0.5 W

Peak Power: 1.0 W

Input Impedance: 50 Ohms

Output Connector: BNC, female

Mechanical

Length: 129.8 cm (51") tip-to-tip

Diameter: 50.8 cm (20")

Depth: 54 cm (21.5") including balun

Weight: 2.7 kg (6 lbs.)

Re: 170322

Specifications subject to change without notice.
Unless otherwise specified, product is manufactured in
Johnstown, NY USA.



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Standard Configuration

The EM-6912A antenna elements, balun, support rod, and base are drilled to accept tripod mount with 5/8" x 11tpi male threads. The EM-6912A comes with a manual, Certificate of Conformance and serialized calibration factors.