



ATR200M6G

- M1-M4
- Antenna
- 200–6000MHz



Features

The ATR200M6G is a wide band, high gain, log periodic antenna that is uniquely suited for use in both traditional applications as well as in new compact chambers. The proprietary design utilizing a “bent element” approach provides a size reduction of approximately 60% without sacrificing key electrical performance such as gain and beamwidth. The considerable size reduction minimizes field loss resulting from “room loading”. This is especially troublesome when conventional log periodics are used in small enclosures. The exceptionally broad frequency range addresses existing RF susceptibility requirements as well as anticipated future developments and is matched to work with AR “W” and “S” Series RF power amplifiers. The robust design can accommodate the high power levels necessary to generate significant E-fields. This antenna is built tough enough for outdoor use. The antenna can be wall mounted us-

ing the antenna base plate, or will mount on the TP1000B tripod using the polarization change mount supplied with the antenna. The polarization change mount allows the antenna to rotate between horizontal and vertical polarization without removing the antenna from the tripod. Included is a non-metallic mast 20 inches long for vertical mounting.

The ATR200M6G can also be custom calibrated to the user’s requirement for use in RF emission testing. The calibrated model is designated by adding a ‘CC’ suffix to the model. Calibration details must be provided using Form 701. Contact factory for details.

The export classification for this equipment is EAR99. These commodities, technology or software are controlled for export in accordance with the U.S. Export Administration Regulations. Diversion contrary to U.S. law is prohibited.

Specifications

FREQUENCY RANGE: 200-6000 MHz

POWER GAIN (over isotropic): 6 dB

GAIN FLATNESS: ± 1.5 dB

IMPEDANCE: 50 ohms nominal

VSWR: 3.0:1, maximum ; 2.0:1, typical

BEAMWIDTH (average): See curve

CONNECTOR: See Model Configurations.

SIZE (W x H x D): 82.6 x 17.8 x 57.2 cm (32.5 x 7 x 22.5 in)

WEIGHT: 5 kg, 12 lbs

EXPORT CLASSIFICATION: EAR99

Model Number	Connector
ATR200M6G	N Female
ATR200M6GM1	C Female
ATR200M6GM2	7-16 Female
ATR200M6GM3*	1-5/8" EIA
ATR200M6GM4	SC Female

*The 1-5/8 EIA connector is limited to 3000 MHz

AR RF/Microwave
Instrumentation
160 School House Rd
Souderton, PA 18964
215-723-8181

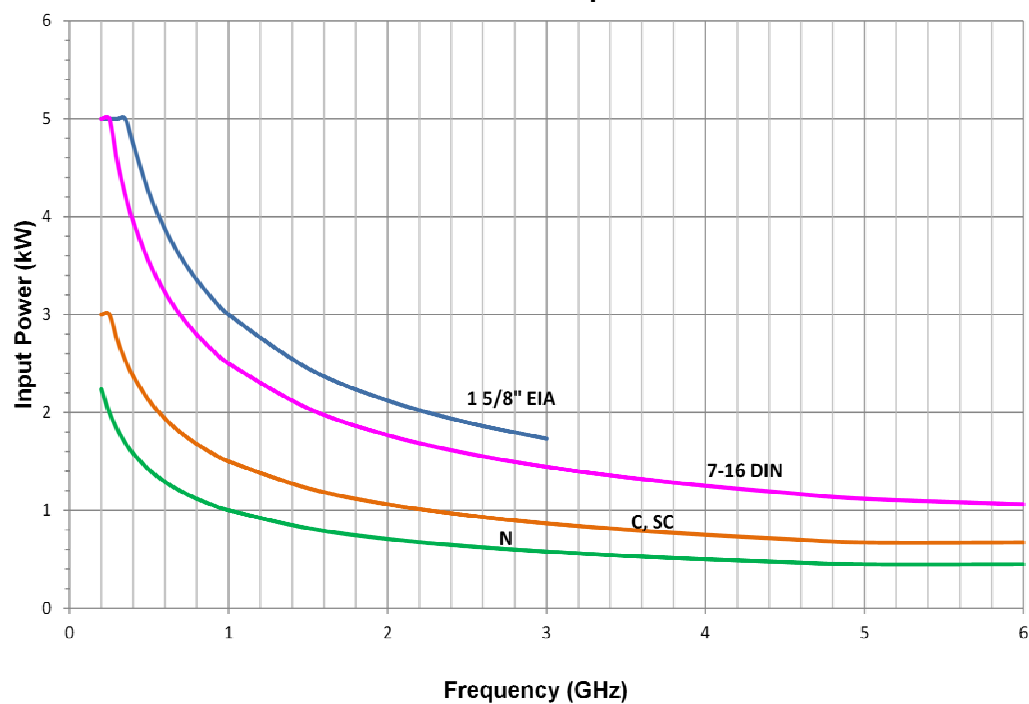
For an applications engineer call: 800.933.8181

www.arworld.us

ATR200M6G

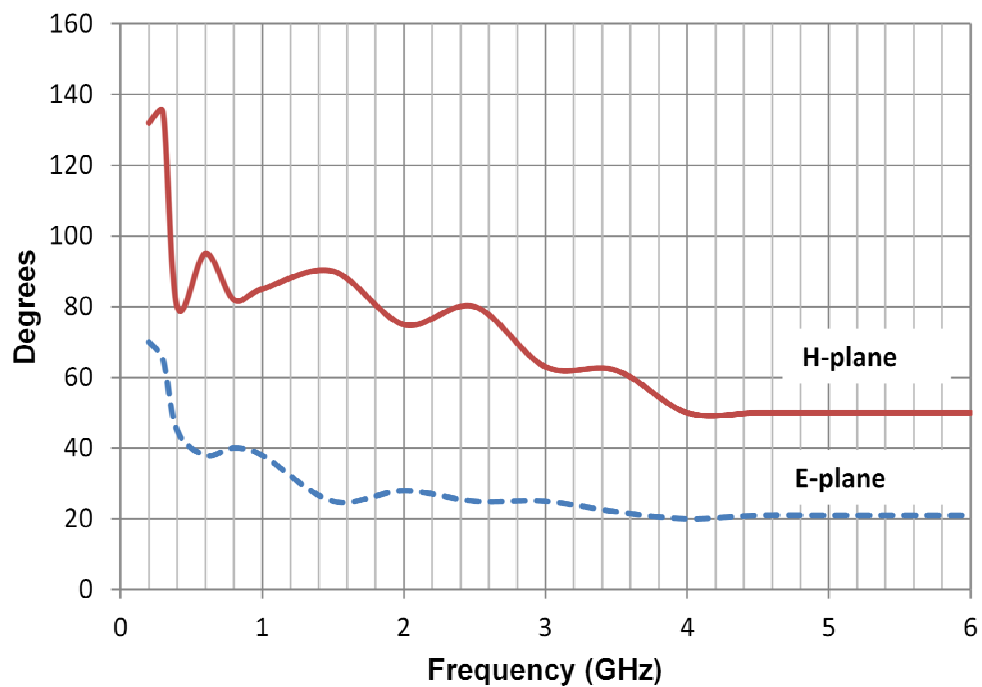
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ATR200M6G Input Power



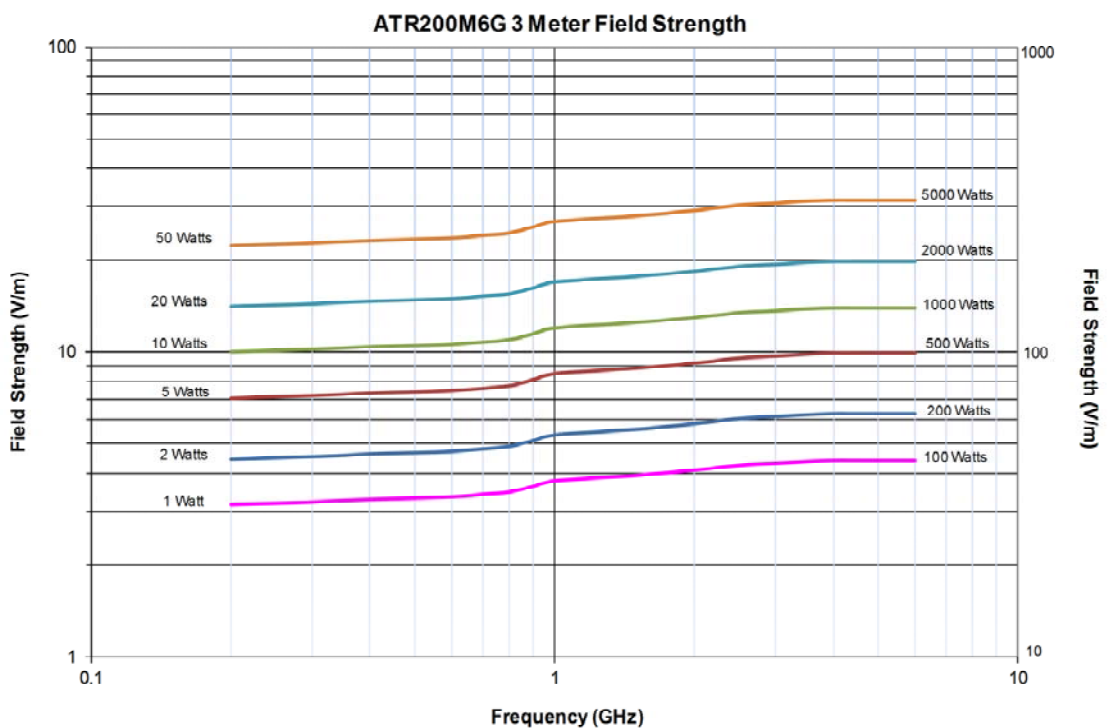
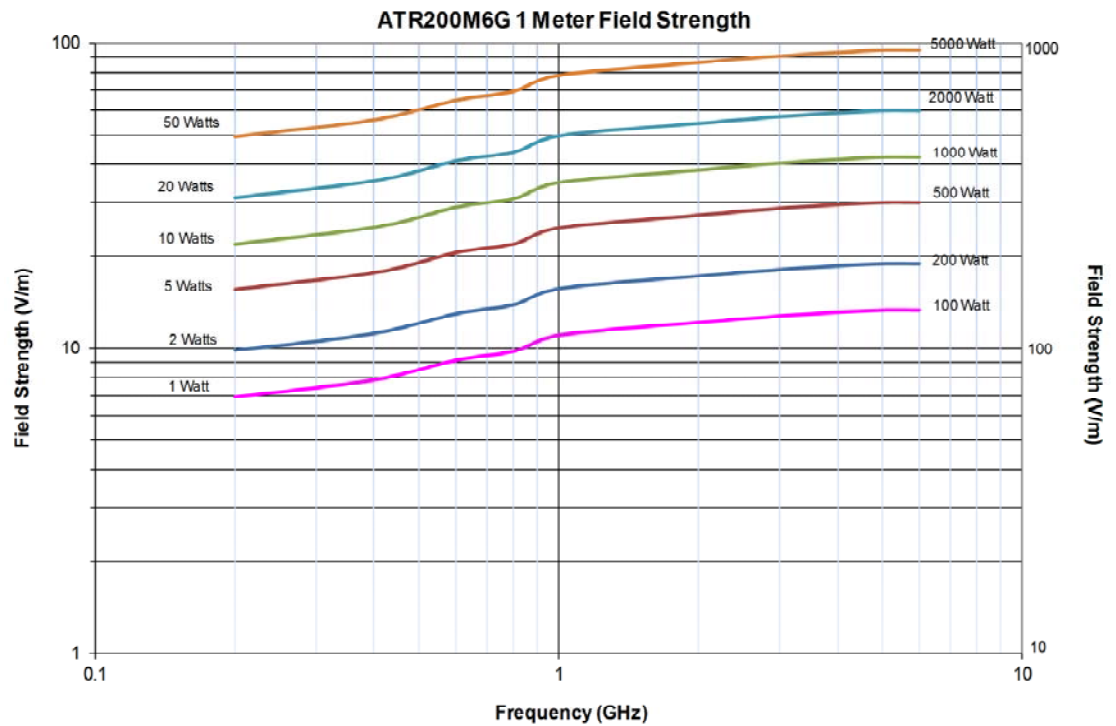
The 1-5/8 connector is limited to 3000 MHz.

ATR200M6G 3dB Beamwidth



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Field strengths have been measured in free-space conditions. Individual shielded rooms, amplifiers, and test-system conditions will influence performance. Field strength also varies with frequency and position of antenna and EUT in non-anechoic testing environment.