



rf/microwave instrumentation

Model ATH18G40 Antenna 18GHz-40GHz

The Model ATH18G40 is a wide band, high gain, high power microwave horn antenna. With a minimum gain of 15.2dB over isotropic, the Model ATH18G40 supplies the high intensity fields necessary for RFI/EMI field testing within and beyond the confines of a shielded room. The Model ATH18G40 is extremely compact and light weight for ready mobility, yet is built tough enough for the extra demands of outdoor use and easily mounts on a rigid waveguide by the waveguide flange. Part of a family of microwave frequency antennas, the Model ATH18G40 provides the 18-40GHz response required for many often used test specifications.

The ATH18G40 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	18-40GHz
POWER INPUT (maximum)	450 watts CW 2000 watts Peak
POWER GAIN (over isotropic)	See Graph
VSWR	
Maximum	1.5:1
Average	1.3:1
BEAM WIDTH (average)	
E Plane	See Graph
H Plane	See Graph
CONNECTOR	WRD 180 C24 waveguide
MOUNTING PROVISIONS.....	Waveguide flange
WEIGHT (maximum)	56.7 g (0.125 lbs)
SIZE (WxHxD).....	3.73 x 2.69 x 6.27 cm, (1.47 x 1.06 x 2.47 in)

