



**Model ATH6G8**  
**Antenna**  
**6GHz-8GHz**

The Model ATH6G8 is a high gain, high power microwave horn antenna. With a minimum gain of 18dB over isotropic, the Model ATH6G8 supplies the high intensity fields necessary for DO160 HIRF testing. The Model ATH6G8 is compact and light weight for ready mobility, yet is built tough enough for the extra demands of outdoor use and easily mounts on a tripod or mounting plate. Part of a family of microwave horn antennas, the Model ATH6G8 provides the 6-8GHz response required for DO160 test specifications.

The ATH6G8 is ideally suited for use with the AR Model 3000TP5G8 and amplifiers in this frequency range.

**SPECIFICATIONS**

FREQUENCY RANGE .....	6-8GHz
POWER INPUT, Maximum .....	700 Watts CW 6 – 7.5 GHz 600 Watts CW 7.5 – 8 GHz 10 kW Peak Pulse (1% duty cycle 6μs pulse width)
POWER GAIN (over isotropic) .....	See Curve
VSWR	
Maximum .....	1.5:1
Average.....	1.3:1
BEAM WIDTH (average)	
E Plane .....	See Curve
H Plane .....	See Curve
CONNECTOR .....	7/16 DIN connector
MOUNTING PROVISIONS.....	Mounting pad on the E-plane and H-plane for tripod.
WEIGHT .....	.91 kg (2 lbs)
SIZE (WxHxD).....	16.25 x 12.06 x 39.37 cm (6.4 x 4.75 x 15.5 in)

**ATH6G8 3 dB Beamwidth**



