

PROFESSIONAL GRADE GRID PROGRID138-10

138-174 MHz

ANTENNA SPECIFICATIONS

Operating Frequency (VSWR \leq 1.5) MHz	138-174
Nominal Gain (dBi)	10.6
Horizontal Beamwidth (Deg-3dB)	60
Vertical Beamwidth (Deg-3dB)	70
Front To Back Ratio (dB)	20
Power Rating (W)	300
Length (inches)	51
Width (inches)	48.75
Antenna Weight (lbs.)	24
Cross Sectional Area (Max. Ft ²)	4.5
Lateral Thrust at 100mph (lbs.)	112.5
Rated Wind Velocity (mph)	150
Rated Wind Velocity with 1/2" radial ice (mph)	125



PRO Grid 138-10 is equipped with a standard feed line length of 5' LMR400 UltraFlex cable and N-Female connector. Please contact our sales staff for alternate connector requirements.

The **PROGRID138-10** is designed to meet the demanding requirements of a *professional grade*, severe duty directional antenna combined with the added advantage of a low profile reflector antenna. This antenna provides **10.6 dBi** gain and operates effectively across the operating range of **138-174 MHz** with a VSWR of 1.5:1 or less.

This extremely rugged unit is manufactured using only high strength 6061-T6 aluminum and is fully welded to ensure optimum performance in the most severe operating conditions. The dual-dipole design incorporates a 5' integral feed cable allowing ease of installation and ensuring long-term dependability. The antenna comes fully assembled so all potential intermod or misalignment problems are eliminated. Both dipoles are finished with Type III (hard) anodizing. All other components are treated with a black thermoset polymer to ensure many years of dependable service.