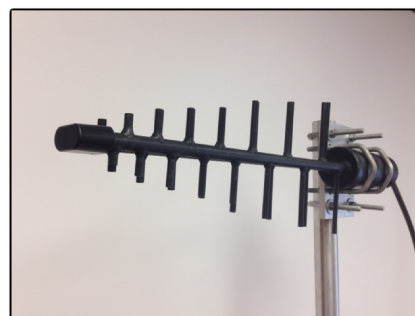


## PROFESSIONAL GRADE LOG PERIODIC PRO5158-11

5100-5800 MHz

### ANTENNA SPECIFICATIONS

Operating Frequency (VSWR $\leq$ 1.5) MHz	5100-5800
Nominal Gain (dBi)	11
Horizontal Beamwidth (Deg-3dB)	80
Vertical Beamwidth (Deg-3dB)	93
Front To Back Ratio (dB)	23
Power Rating (W)	50
Length (inches)	18
Width (inches)	8
Antenna Weight (lbs.)	1.5
Cross Sectional Area (Max. Ft <sup>2</sup> )	0.23
Lateral Thrust at 100mph (lbs.)	5.5
Rated Wind Velocity (mph)	125
Rated Wind Velocity with 1/2" radial ice (mph)	120



PRO5158-11 is equipped with a standard feed line length of 2' LMR400 UltraFlex® cable and N-Female connector. Please contact our sales staff for alternate connector requirements.

Extended feed line available in 5' increments up to a maximum of 50'. All extended feed line antennas Equipped with LMR400 UltraFlex cable and N-Female connector.

The **PRO5158-11** is engineered to meet or exceed the requirements of a broadband, high gain, *Professional Grade 5 GHz directional antenna*

The **PRO5158-11** provides **11 dBi** gain and operates effectively across the frequency band of **5.1 to 5.8 GHz** with a VSWR of 1.5:1 or less.

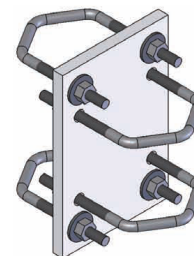
All **WaveLink Professional Grade** antennas are manufactured using high strength 6061-T6 aluminum. The active driven elements are fully welded to the boom completely eliminating misalignment problems. The antenna is also electrically **one piece**, effectively eliminating intermod issues and future performance degradation.

Our design incorporates an integral feed cable available in lengths up to 50 feet.

The extended feed line option offers many benefits:

1. Dramatically reduces install time, by up to 2 hours per site
2. Completely eliminates the connector at the antenna
3. Improves signal strength 1/2 to 3/4 of a dB
4. Eliminates connector weatherproofing concerns
5. Significantly reduces long term cost of ownership

The **PRO5158-11** is anodized to protect against environmental degradation even in the most severe environments.



Includes mounting bracket  
C1005

Mounts on 1" - 2 3/8" OD pipe