



## P15F-57W-N7M

**4.6 m | 15 ft Standard Parabolic Unshielded Antenna, single-polarized, unpressurized, 5.725–6.425 GHz, N Female, gray antenna, with flash, standard pack—two-piece reflector**

### General Specifications

Packing	Standard pack
Reflector Construction	Two-piece reflector
Antenna Input	N Female
Antenna Color	Gray
Antenna Type	PF - Standard Parabolic Unshielded Antenna, single-polarized, unpressurized
Diameter, nominal	4.6 m   15 ft
Flash Included	Yes
Polarization	Single

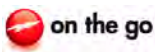
### Electrical Specifications

Beamwidth, Horizontal	0.8 °
Beamwidth, Vertical	0.8 °
Cross Polarization Discrimination (XPD)	30 dB
Front-to-Back Ratio	57 dB
Gain, Low Band	46.0 dBi
Gain, Mid Band	46.5 dBi
Gain, Top Band	47.0 dBi
Operating Frequency Band	5.725 – 6.425 GHz
Radiation Pattern Envelope Reference (RPE)	4761
Return Loss	30.7 dB
VSWR	1.20

### Mechanical Specifications

Net Weight	351 kg   774 lb
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## Wind Forces At Wind Velocity Survival Rating Image



## Packed Dimensions

Gross Weight, Packed Antenna	987.0 kg		2176.0 lb
Height	493.0 cm		194.1 in
Length	122.0 cm		48.0 in
Width	257.0 cm		101.2 in

## Antenna Dimensions And Mounting Information



## Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

### \* Footnotes

Cross Polarization Discrimination (XPD)	The difference between the peak of the co-polarized main beam and the maximum cross-polarized signal over an angle twice the 3 dB beamwidth of the co-polarized main beam.
Front-to-Back Ratio	Denotes highest radiation relative to the main beam, at $180^\circ \pm 40^\circ$ , across the band. Production antennas do not exceed rated values by more than 2 dB unless stated otherwise.
Gain, Mid Band	For a given frequency band, gain is primarily a function of antenna size. The gain of Andrew antennas is determined by either gain by comparison or by computer integration of the measured antenna patterns.
Operating Frequency Band	Bands correspond with CCIR recommendations or common allocations used throughout the world. Other ranges can be accommodated on special order.
Packing	Andrew standard packing is suitable for export. Antennas are shipped as standard in totally recyclable cardboard or wire-bound crates (dependent on product). For your convenience, Andrew offers heavy duty export packing options.
Radiation Pattern Envelope Reference (RPE)	Radiation patterns determine an antenna's ability to discriminate against unwanted signals under conditions of radio congestion. Radiation patterns are dependent on antenna series, size, and frequency.
Return Loss	The figure that indicates the proportion of radio waves incident upon the antenna that are rejected as a ratio of those that are accepted.
VSWR	Maximum; is the guaranteed Peak Voltage-Standing-Wave-Ratio within the operating band.