Product Specifications

ANDREW®
A CommScope Company

P2F-52-N7A

0.6 m | 2 ft Standard Parabolic Unshielded Antenna, single-polarized, unpressurized, 5.250–5.850 GHz, N Female, gray antenna, with flash, standard pack—one-piece reflector

CHARACTERISTICS

General Specifications

Antenna Input	N Female
Packing	Standard pack
Reflector Construction	One-piece reflector
Antenna Color	Gray
Antenna Type	PF - Standard Parabolic Unshielded Antenna, single-polarized, unpressurized
Diameter, nominal	0.6 m | 2 ft
Flash Included	Yes
Polarization	Single

Electrical Specifications

Beamwidth, Horizontal	5.4 °
Beamwidth, Vertical	5.4 °
Cross Polarization Discrimination (XPD)	30 dB
Electrical Compliance	ETSI 302 217 Class 1
Front-to-Back Ratio	41 dB
Gain, Low Band	29.0 dBi
Gain, Mid Band	29.4 dBi
Gain, Top Band	30.1 dBi
Operating Frequency Band	5.250 – 5.850 GHz
Radiation Pattern Envelope Reference (RPE)	4528
Return Loss	14.0 dB
VSWR	1.50

Product Specifications

P2F-52-N7A

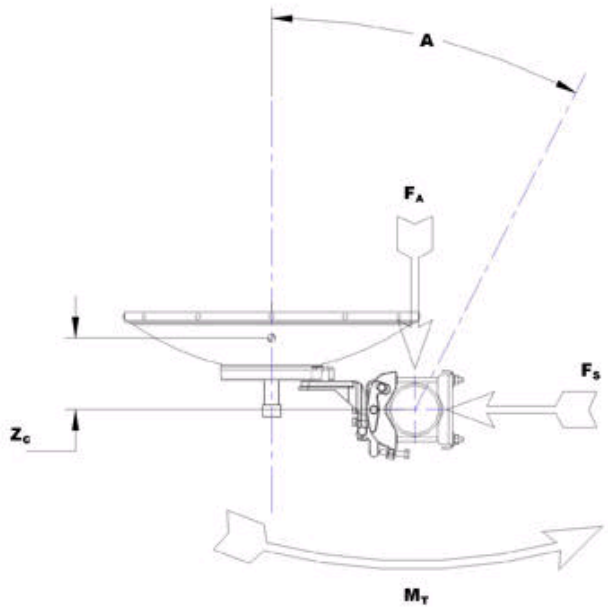
Mechanical Specifications

Net Weight	9 kg | 20 lb

Product Specifications

P2F-52-N7A

Wind Forces At Wind Velocity Survival Rating Image



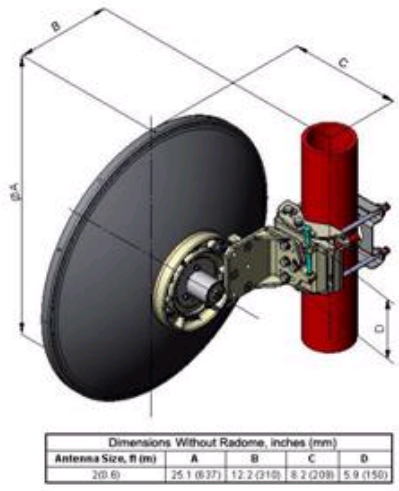
Packed Dimensions

Gross Weight, Packed Antenna	18.0 kg | 39.7 lb
Height	630.0 mm | 24.8 in
Length	700.0 mm | 27.6 in
Volume	0.3 m³
Width	700.0 mm | 27.6 in

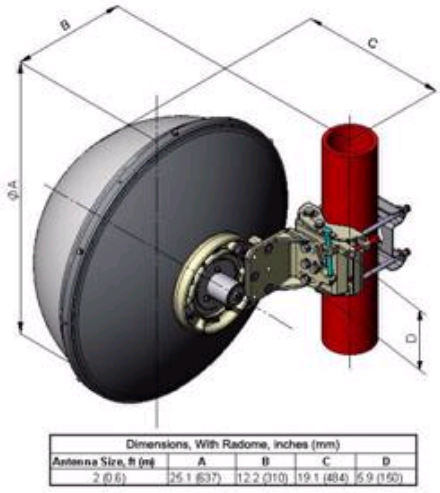
Product Specifications

P2F-52-N7A

Antenna Dimensions And Mounting Information



Dimensions Without Radome, inches (mm)				
Antenna Size, ft (m)	A	B	C	D
2(0.6)	25.1 (637)	12.2 (310)	8.2 (208)	5.9 (150)



Dimensions, With Radome, inches (mm)				
Antenna Size, ft (m)	A	B	C	D
2 (0.6)	25.1 (637)	12.2 (310)	19.1 (484)	5.9 (150)

* 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° ± 40°, 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.