Product Specifications

COMMSCOPE®

on the go

PX3F-52-NXA

1.0 m | 3 ft Standard Parabolic Unshielded, Dual-Polarized Antenna, unpressurized, 5.250–5.850 GHz, N Female, gray antenna, molded gray radome with flash, standard pack—one-piece reflector

General Specifications

Packing	Standard pack
Radome Color	Gray
Radome Material	Molded
Reflector Construction	One-piece reflector
Antenna Input	N Female
Antenna Color	Gray
Antenna Type	PXF - Standard Parabolic Unshielded, Dual-Polarized Antenna, unpressurized
Diameter, nominal	1.0 m | 3 ft
Flash Included	Yes
Polarization	Dual

Electrical Specifications

Beamwidth, Horizontal	3.8 °
Beamwidth, Vertical	3.8 °
Cross Polarization Discrimination (XPD)	30 dB
Electrical Compliance	ETSI 302 217 Class 1
Front-to-Back Ratio	42 dB
Gain, Low Band	32.3 dBi
Gain, Mid Band	33.0 dBi
Gain, Top Band	33.3 dBi
Operating Frequency Band	5.250 – 5.850 GHz
Radiation Pattern Envelope Reference (RPE)	4741
Return Loss	14.0 dB
VSWR	1.50

Mechanical Specifications

Net Weight	18 kg | 40 lb

©2012 CommScope, Inc. All rights reserved. All trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope.
All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: January 26, 2011

Product Specifications

PX3F-52-NXA

Wind Forces At Wind Velocity Survival Rating Image

Packed Dimensions

Gross Weight, Packed Antenna	110.0 kg | 242.5 lb
Height	870.0 mm | 34.3 in
Length	1150.0 mm | 45.3 in
Volume	1.4 m³
Width	1150.0 mm | 45.3 in

©2012 CommScope, Inc. All rights reserved. All trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope.
All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: January 26, 2011

Product Specifications

PX3F-52-NXA

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° ±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.

©2012 CommScope, Inc. All rights reserved. All trademarks identified by ® or ™ are registered trademarks, respectively, of CommScope.
All specifications are subject to change without notice. See www.commscope.com for the most current information. Revised: January 26, 2011