

# 5NPX1006F



10-port multibeam antenna, 10x 1710–2180 MHz, 5x 10-14° HPBW, fixed electrical tilt

## Alternative products available:

6V-10M-F6	12-port multibeam antenna, 12x 1695–2690 MHz, 6x 10-14° HPBW, fixed electrical tilt
6VV-10A-F6	24-port multibeam antenna, 24x 1695–2690 MHz, 6x 10-14° HPBW, fixed electrical tilt, 1.3m length

## General Specifications

<b>Antenna Type</b>	Multibeam
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	ASA, UV stabilized
<b>Radiator Material</b>	Brass   Low loss circuit board
<b>Reflector Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Bottom
<b>RF Connector Quantity, high band</b>	10
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	0
<b>RF Connector Quantity, total</b>	10

## Dimensions

<b>Width</b>	864 mm   34.016 in
<b>Depth</b>	202 mm   7.953 in
<b>Length</b>	889 mm   35 in
<b>Net Weight, without mounting kit</b>	29.5 kg   65.036 lb

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## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2180 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>1710–1920</b>	<b>1920–2180</b>
<b>Gain, dBi</b>	21.7	22.3
<b>Beamwidth, Horizontal, degrees</b>	13	12
<b>Beamwidth, Vertical, degrees</b>	11.9	10.9
<b>Beam Tilt, degrees</b>	6	6
<b>USLS (First Lobe), dB</b>	14	16
<b>Front-to-Back Ratio at 180°, dB</b>	32	34
<b>CPR at Boresight, dB</b>	10	10
<b>Isolation, Same Beam, dB</b>	25	25
<b>VSWR   Return loss, dB</b>	1.43   15.0	1.43   15.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150
<b>Input Power per Port, maximum, watts</b>	300	300

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	931.0 N @ 150 km/h (209.3 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	250 km/h (155 mph)

## Packaging and Weights

<b>Width, packed</b>	977 mm   38.465 in
<b>Depth, packed</b>	349 mm   13.74 in
<b>Length, packed</b>	1038 mm   40.866 in
<b>Weight, gross</b>	46.5 kg   102.515 lb

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Below maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

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REACH-SVHC	Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
ROHS	Compliant
UK-ROHS	Compliant



## Included Products

T-045-GL-E	-	Adjustable Tilt Pipe Mounting Kit for 2.0"-4.5" (60-115mm) OD round members for panel antennas. Includes 2 clamp sets.
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## \* Footnotes

<b>Performance Note</b>	Severe environmental conditions may degrade optimum performance
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