

# 2UNPX206.12R2



8-port multibeam antenna, 4x 698–894 and 4x 1710–2180 MHz, 4x 35° HPBW, 4x RET

- Antenna has individual AISG connectors per band: One in/out pair for low band in cascaded single-RET configuration to independently control the two low band beams; one in/out pair for high band in cascaded single-RET configuration to independently control the two high band beams

## OBSOLETE

This product was discontinued on: November 30, 2023

## General Specifications

<b>Antenna Type</b>	Multibeam
<b>Band</b>	Multiband
<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>	Aluminum   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>	4
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	4
<b>RF Connector Quantity, total</b>	8

## Remote Electrical Tilt (RET) Information

<b>RET Interface</b>	8-pin DIN Female   8-pin DIN Male
<b>RET Interface, quantity</b>	2 female   2 male
<b>Input Voltage</b>	10–30 Vdc
<b>Internal RET</b>	High band (2)   Low band (2)

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<b>Power Consumption, idle state, maximum</b>	2 W
<b>Power Consumption, normal conditions, maximum</b>	13 W
<b>Protocol</b>	3GPP/AISG 2.0 (Single RET)

## Dimensions

<b>Width</b>	684 mm   26.929 in
<b>Depth</b>	245 mm   9.646 in
<b>Length</b>	1728 mm   68.032 in
<b>Net Weight, without mounting kit</b>	44 kg   97.003 lb

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	1710 – 2180 MHz   698 – 894 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>698–806</b>	<b>806–894</b>	<b>1710–1880</b>	<b>1850–1990</b>	<b>1920–2180</b>
<b>Gain, dBi</b>	14.9	15.5	17.6	18.6	18.6
<b>Beam Centers, Horizontal, degrees</b>	±29	±25	±32	±30	±28
<b>Beamwidth, Horizontal, degrees</b>	40	35	34	31	30.8
<b>Beamwidth, Vertical, degrees</b>	15.6	13.5	6.9	6.5	6.2
<b>Beam Tilt, degrees</b>	0–10	0–10	0–10	0–10	0–10
<b>USLS (First Lobe), dB</b>	17	14	18	18	18
<b>Front-to-Back Ratio at 180°, dB</b>	24	24	35	40	39
<b>Isolation, Same Beam, dB</b>	25	25	25	25	25
<b>Isolation, Beam to Beam, dB</b>	18	18	18	18	18
<b>VSWR   Return loss, dB</b>	1.43   15.0	1.43   15.0	1.43   15.0	1.43   15.0	1.43   15.0
<b>PIM, 3rd Order, 2 x 20 W, dBc</b>	-150	-150	-150	-150	-150
<b>Input Power per Port, maximum, watts</b>	300	300	250	250	250

## Mechanical Specifications

<b>Wind Loading @ Velocity, frontal</b>	1,473.0 N @ 150 km/h (331.1 lbf @ 150 km/h)
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<b>Wind Loading @ Velocity, lateral</b>	256.0 N @ 150 km/h (57.6 lbf @ 150 km/h)
<b>Wind Loading @ Velocity, rear</b>	1,512.0 N @ 150 km/h (339.9 lbf @ 150 km/h)
<b>Wind Speed, maximum</b>	200 km/h (124 mph)

## Packaging and Weights

<b>Width, packed</b>	787 mm   30.984 in
<b>Depth, packed</b>	347 mm   13.661 in
<b>Length, packed</b>	1932 mm   76.063 in
<b>Weight, gross</b>	69 kg   152.119 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
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-041-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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