

CNLPX3055F



2-port stadium sector antenna, 2x (790–960, 1710–2170, & 2300–2690 MHz), 50° HPBW.

- The antenna includes an internal triplexer for a set of $\pm 45^\circ$ RF input ports for 2x2 MIMO capabilities

2-port stadium sector antenna, 2x (790–960, 1710–2170, 2300–2690 MHz), 50° HPBW. This triband antenna produces rectangular patterns with sharp cutoff for illuminating a section of the crowd. The three bands are internally triplexed, allowing a dual connector interface to be used.

This product will be discontinued on: March 30, 2024

General Specifications

Antenna Type	Sector
Band	Multiband
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	Fiberglass, UV resistant
Radiator Material	Brass Low loss circuit board
Reflector Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Rear Side
RF Connector Quantity, diplexed low and high bands	2
RF Connector Quantity, total	2

Dimensions

Width	853 mm 33.583 in
Depth	210 mm 8.268 in
Length	1354 mm 53.307 in
Net Weight, without mounting kit	37 kg 81.571 lb

Electrical Specifications

Impedance	50 ohm
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CNLPX3055F

Operating Frequency Band

1710 – 2170 MHz | 2300 – 2690 MHz | 790 – 960 MHz

Polarization

±45°

Electrical Specifications

Frequency Band, MHz	790–960	1710–2170	2300–2690
Gain, dBi	11.2	11.4	11.7
Beamwidth, Horizontal, degrees	55	49	47.4
Beamwidth, Horizontal at 20 dB, degrees	90	81	79
Beamwidth, Vertical, degrees	55	48.5	47.4
Beam Tilt, degrees	0	0	0
USLS (First Lobe), dB	25	20	22
Front-to-Back Ratio at 180°, dB	39	40	38
CPR at Boresight, dB	20	23	18
CPR at 3 dB Horizontal Beamwidth, dB	18	15	18
Isolation, Cross Polarization, dB	30	30	30
Isolation, Inter-band, dB	30	30	30
VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150
Input Power per Port, maximum, watts	100	100	100

Electrical Specifications, BASTA

Frequency Band, MHz	790–960	1710–2170	2300–2690
Gain by all Beam Tilts, average, dBi	10.9	11.4	11.4
Gain by all Beam Tilts Tolerance, dB	±0.7	±0.9	±0.9
Beamwidth, Horizontal Tolerance, degrees	±4.0	±5	±4.3
Beamwidth, Vertical Tolerance, degrees	±4.3	±5.3	±4.2
USLS, beampeak to 20° above beampeak, dB	25	15	16
Front-to-Back Total Power at 180° ± 30°, dB	32	34	34
CPR at Boresight, dB	20	19	20

Mechanical Specifications

Wind Loading @ Velocity, lateral

1,452.0 N @ 150 km/h (326.4 lbf @ 150 km/h)

Wind Speed, maximum

160 km/h (99 mph)

Packaging and Weights

CNLPX3055F

Width, packed	990 mm 38.976 in
Depth, packed	411 mm 16.181 in
Length, packed	1464 mm 57.638 in
Weight, gross	55 kg 121.254 lb

Regulatory Compliance/Certifications

Agency	Classification
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 www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant



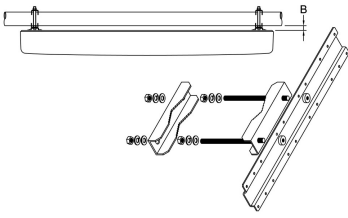
Included Products

- F-122-GL – Fixed Tilt Pipe Mounting Kit for 2.9"-4.5" (75-115mm) OD round members for panel antennas. Includes 2 clamp sets.

* Footnotes

Performance Note Severe environmental conditions may degrade optimum performance

F-122-GL



Fixed Tilt Pipe Mounting Kit for 2.9"-4.5" (75-115mm) OD round members for panel antennas. Includes 2 clamp sets.

Product Classification

Product Type Pipe mounting kit

General Specifications

Application Outdoor

Color Silver

Dimensions

Compatible Diameter, maximum 115 mm | 4.528 in

Compatible Diameter, minimum 75 mm | 2.953 in

Antenna-to-Pipe Distance 30 mm | 1.181 in

Weight, net 2.5 kg | 5.512 lb

Material Specifications

Material Type Galvanized steel

Packaging and Weights

Included Brackets | Hardware

Packaging quantity 2

Regulatory Compliance/Certifications

Agency

ISO 9001:2015

Classification

Designed, manufactured and/or distributed under this quality management system

