

CNLPX3055F



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.

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

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
Beamwidth, Horizontal at 20 dB, degrees	90	81	79
Beamwidth, Vertical, degrees	55.0	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
Polarization	$\pm 45^\circ$	$\pm 45^\circ$	$\pm 45^\circ$
Impedance	50 ohm	50 ohm	50 ohm

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	± 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° $\pm 30^\circ$, dB	32	34	34
CPR at Boresight, dB	20	19	20

* CommScope® supports NGMN recommendations on Base Station Antenna Standards (BASTA). To learn more about the benefits of BASTA, [download the whitepaper Time to Raise the Bar on BSAs](#).

General Specifications

CNLPX3055F

Operating Frequency Band	1710 – 2170 MHz 2300 – 2690 MHz 790 – 960 MHz
Antenna Type	Sector
Band	Multiband
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	2
RF Connector Interface	7-16 DIN Female
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Brass Low loss circuit board
Radome Material	Fiberglass, UV resistant
Reflector Material	Aluminum
RF Connector Location	Rear Side
RF Connector Quantity, diplexed low and high bands	2
Wind Loading, lateral	1452.0 N @ 150 km/h 326.4 lbf @ 150 km/h
Wind Speed, maximum	160 km/h 99 mph

Dimensions

Length	1354.0 mm 53.3 in
Width	853.0 mm 33.6 in
Depth	210.0 mm 8.3 in
Net Weight, without mounting kit	37.0 kg 81.6 lb

Packed Dimensions

Length	1464.0 mm 57.6 in
Width	990.0 mm 39.0 in
Depth	411.0 mm 16.2 in
Shipping Weight	55.0 kg 121.3 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)
CE	Compliant with the relevant CE product directives



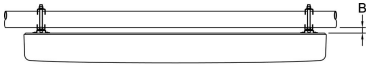
Included Products

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.

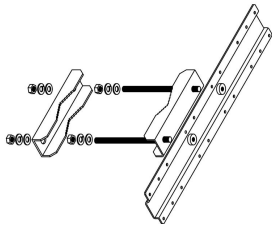
* Footnotes

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.



General Specifications

Application	Outdoor
Includes	Brackets Hardware
Package Quantity	2

Mechanical Specifications

Color	Silver
Material Type	Galvanized steel

Dimensions

Antenna-to-Pipe Distance	30.0 mm 1.2 in
Compatible Diameter, maximum	115.0 mm 4.5 in
Compatible Diameter, minimum	75.0 mm 3.0 in
Net Weight	2.5 kg 5.5 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant by Exemption
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
China RoHS SJ/T 11364-2014	Above Maximum Concentration Value (MCV)

