

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.

OBSOLETE

This product was 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 mid 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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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

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

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

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ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
REACH-SVHC	Compliant as per SVHC revision on www.andrew.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