

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 |
|------------------|--------|

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 |

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

CNLPX3055F

| | |
|---------------|--|
| 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 |



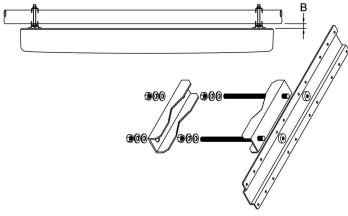
Included Products

| | | |
|----------|---|---|
| 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 |
|-------------------------|---|

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 | Classification |
|---------------|--|
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |