

10-port stadium sector antenna, 2x 694-960, 4x 1695-2690 MHz & 4x 3300-3800 MHz, 50° HPBW.

- Rectangular patterns with sharp cutoff for illumination a section of the crowd
- Wide bandwidth allows one antenna to serve multiple frequency allocations

General Specifications

Antenna Type Sector

Band Multiband

Color Light Gray (RAL 7035)

Grounding Type RF connector inner conductor and body grounded to reflector and mounting bracket

Performance Note Outdoor usage

Radome Material Fiberglass, UV resistant

Reflector Material Aluminum

RF Connector Interface 4.3-10 Female

RF Connector Location Rear
RF Connector Quantity, high band 8
RF Connector Quantity, low band 2
RF Connector Quantity, total 10

Dimensions

 Width
 1354 mm | 53.307 in

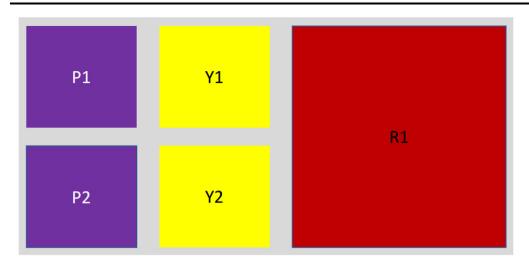
 Depth
 210 mm | 8.268 in

 Length
 853 mm | 33.583 in

 Net Weight, without mounting kit
 33.8 kg | 74.516 lb

Array Layout





Array ID	Frequency (MHz)	RF Connector	RET (N/A)	AISG RET UID
R1	694-960	1 - 2		
Y1	1695-2690	3 - 4		
Y2	1695-2690	5 - 6	N/A	N/A
P1	3300-3800	7 - 8		
P2	3300-3800	9 - 10		

Port Configuration



Electrical Specifications

Impedance 50 ohm

Operating Frequency Band 1695 – 2690 MHz | 3300 – 3800 MHz | 694 – 960 MHz

 $\textbf{Polarization} \hspace{2cm} \pm 45^{\circ}$

Electrical Specifications

Frequency Band, MHz	694-790	790-890	890-960	1695-192	01920-218	02300-250	02500-269	03300-360	03600-3800
Gain, dBi	10.9	12.1	12.9	10.6	10.8	11.7	12.1	10.6	11
Beamwidth, Horizontal, degrees	57	50	44	54	51	42	42	53	51
Beamwidth, Vertical, degrees	57	51	45	56	52	43	41	54	49
Beam Tilt, degrees	0	0	0	0	0	0	0	0	0
USLS (First Lobe), dB	23	21	19	21	19	17	20	22	20
Front-to-Back Ratio, Copolarization 180° ± 30°, dB	27	28	25	28	29	28	28	26	27
Isolation, Cross Polarization, dB	30	30	30	30	30	30	30	30	30
Isolation, Inter-band, dB	28	28	28	28	28	28	28	28	28

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VSWR Return loss, dB	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0	1.5 14.0
PIM, 3rd Order, 2 x 20 W, dBc	-150	-150	-150	-150	-150	-150	-150	-145	-145
Input Power per Port at 50° C, maximum, watts	100	100	100	100	100	100	100	100	100

Electrical Specifications, BASTA

Frequency Band, MHz	694-790	790-890	890-960	1695-192	01920-218	02300-250	02500-269	03300-360	03600-3800
Gain by all Beam Tilts, average, dBi	10.6	11.7	12.6	10.2	10.6	11.6	11.8	10.3	10.8
Gain by all Beam Tilts Tolerance, dB	±0.4	±0.7	±0.6	±0.7	±0.3	±0.2	±0.3	±0.4	±0.3
Beamwidth, Horizontal Tolerance, degrees	±3.2	±3.1	±2.9	±4	±2.7	±3.8	±1.6	±4.1	±2.1
Beamwidth, Vertical Tolerance, degrees	±3	±2.7	±3.2	±2.5	±3.7	±2.1	±1.9	±2.7	±2
Front-to-Back Total Power at 180° ± 30°, dB	24	25	24	26	26	26	25	25	25
CPR at Boresight, dB	19	21	21	22	23	22	24	19	18

Mechanical Specifications

 Wind Loading @ Velocity, frontal
 1,452.0 N @ 150 km/h (326.4 lbf @ 150 km/h)

 Wind Loading @ Velocity, lateral
 239.0 N @ 150 km/h (53.7 lbf @ 150 km/h)

Wind Speed, maximum 160 km/h (99 mph)

Packaging and Weights

 Width, packed
 1464 mm | 57.638 in

 Depth, packed
 411 mm | 16.181 in

 Length, packed
 990 mm | 38.976 in

 Weight, gross
 38.4 kg | 84.657 lb

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
CHINA-ROHS	Above maximum concentration value
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
ROHS	Compliant/Exempted
UK-ROHS	Compliant/Exempted





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

