

O2P-2L-MT2



2 Port omni antenna, 2x 694–960 MHz, 360° HPBW, fixed tilt

- Low profile, low wind load for ease of zoning approval
- Simplifies infrastructure and space requirements compared to traditional V-pol antennas

General Specifications

Antenna Type	Omni
Band	Single band
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	ASA, UV resistant
Radiator Material	Aluminum Low loss circuit board
Reflector Material	ALUMINUM
RF Connector Interface	4.3-10 Female
RF Connector Location	Bottom
RF Connector Quantity, low band	2
RF Connector Quantity, total	2

Dimensions

Length	953 mm 37.52 in
Net Weight, without mounting kit	11.7 kg 25.794 lb
Outer Diameter	305 mm 12.008 in

Array Layout

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Array ID	Frequency (MHz)	RF Connector	HPBW	RET (N/A)	AISG No.	RET UID
R1	694-960	1 - 2	360°	N/A	NA	N/A

(Sizes of colored boxes are not true depictions of array sizes)

Port Configuration



Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	694 – 960 MHz
Polarization	±45°

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Total Input Power, maximum 300 W

Electrical Specifications

	R1	R1	R1
Frequency Band, MHz	694–790	790–890	890–960
RF Port	1,2	1,2	1,2
Gain, dBi	7.8	8.7	9.3
Beamwidth, Horizontal, degrees	360	360	360
Beamwidth, Vertical, degrees	26.2	22.9	20.5
Beam Tilt, degrees	2	2	2
USLS (First Lobe), dB	16	16	16
CPR at Boresight, dB	15	16	17
Isolation, Cross Polarization, dB	25	25	25
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	200	200	200

Mechanical Specifications

Wind Loading @ Velocity, frontal	162.0 N @ 150 km/h (36.4 lbf @ 150 km/h)
Wind Loading @ Velocity, lateral	162.0 N @ 150 km/h (36.4 lbf @ 150 km/h)
Wind Loading @ Velocity, rear	162.0 N @ 150 km/h (36.4 lbf @ 150 km/h)
Wind Speed, maximum	200 km/h (124 mph)

Packaging and Weights

Width, packed	420 mm 16.535 in
Depth, packed	400 mm 15.748 in
Length, packed	1220 mm 48.032 in
Weight, gross	15.8 kg 34.833 lb

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
UK-ROHS	Compliant

* Footnotes

02P-2L-MT2

Performance Note Severe environmental conditions may degrade optimum performance

