

HBR 2x2 MIMO Low Band Cellular Omnidirectional Antenna

Product Code

2XPHO-6996-5

Polarisation

Dual Slant $\pm 45^\circ$

2x2 MIMO

Design Type

Phased Omni

Application Category

Small Cell

RF Category

Cellular



This model is a highly sought-after cross polarised omnidirectional antenna. This two-port antenna provides true dual slant polarisation on the lower cellular bands from 698 to 960 MHz.

Designed for LTE small cell deployment, the antenna has an excellent -150 dBc PIM rating and high inter-port isolation across the full operating frequency range. The model is supplied as standard with 4.3-10 Female input connectors.

▼ Antenna Technical Data

Physical Characteristics

Construction Material	Fibreglass (GRP) Polyvinyl Chloride (PVC)	RF Connections	2
Radome Colour	Other - Grey	Environmental Rating	No Data
Dimensions	1000 x 300 mm (H x \varnothing)	Operating Temperature	-55 °C to 65 °C
Weight	No Data	Mounting	Flange Base on Pole

▼ Cellular MIMO-1 Element

Electrical Specifications

Input Impedance 50 Ω

Polarisation Slant $+45^\circ$

Max. Input Power 100 W

PIM, 3rd Order -150 dBc

Mechanical Specifications

Input Connector 4.3-10

Input Connector Gender Female

Cable Series -

Cable Length -

▼ Range: 698 to 960 MHz

▼ Range: 090 to 900 MHz

Peak Gain	5.00 dBi	Azimuth Beamwidth	360°
VSWR	1.5:1	Elevation Beamwidth	25°
Radiation Efficiency	No Data	Electrical Tilt	0°
Front-to-Back Ratio	-	Inter-Port Isolation	> 25 dB
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

▼ Cellular MIMO-2 Element

Electrical Specifications

Mechanical Specifications

Input Impedance	50 Ω	Input Connector	7/16 DIN
Polarisation	Slant -45°	Input Connector Gender	Female
Max. Input Power	100 W	Cable Series	-
PIM, 3rd Order	-150 dBc	Cable Length	-

▼ Range: 698 to 960 MHz

Peak Gain	5.00 dBi	Azimuth Beamwidth	360°
VSWR	1.5:1	Elevation Beamwidth	25°
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Front-to-Back Ratio	-	Inter-Port Isolation	> 25 dB
Cross-Polar Discrimination	-	Cross-Polar Isolation	-

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