

VD-DMF-43-UWI53



ValuDAS® Low PIM Directional MIMO In-Building Antenna, 600–960 MHz, 1427–4200 MHz, and 4900–6000 MHz

Product Classification

Product Type	In-building antenna
Product Brand	ValuDAS®

General Specifications

Application	Indoor
Antenna Type	Directional
Antenna Array Characteristic	MIMO 2x2
Polarization	±45°
Color	Signal white (RAL 9003)
Number of Ports	2
Radome Material	ABS, UV resistant
RF Connector Interface	4.3-10 Female

Dimensions

Height	315 mm 12.402 in
Width	195 mm 7.677 in
Depth	74 mm 2.913 in
Pigtail Length	300 mm 11.811 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1427 – 4200 MHz 4900 – 6000 MHz 600 – 698 MHz 698 – 960 MHz
Electrical Note	Values typical, unless otherwise stated

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Electrical Specifications

Frequency Band, MHz	600–698	698–960	1427–4200	4900–6000
Gain, dBi	6	7	7	8
Beamwidth, Horizontal, degrees	95	85	65	25
Beamwidth, Vertical, degrees	60	65	45	15
Isolation, Cross Polarization, dB	10	10	15	25
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153
Input Power per Port, maximum, watts	100	100	100	100

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
600–698 MHz	2.5	7.36	1.8	10.88
698–960 MHz	2.5	7.36	1.8	10.88
1427–4200 MHz	2.2	8.52	1.8	10.88
4900–6000 MHz	2.5	7.36	1.8	10.88

Environmental Specifications

Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Relative Humidity	Up to 100%

Packaging and Weights

Width, packed	220 mm 8.661 in
Depth, packed	90 mm 3.543 in
Length, packed	490 mm 19.291 in
Weight, gross	1.6 kg 3.527 lb
Weight, net	1.3 kg 2.866 lb