

VD-OMF6-43-UWI53



ValuDAS™ Low PIM Omni MIMO In-building Antenna, 617-6000 MHz

Product Classification

Product Type	In-building antenna
Product Brand	ValuDAS®

General Specifications

Application	Indoor
Antenna Type	Omni
Antenna Array Characteristic	MIMO 2x2
Polarization	Linear Horizontal
Color	White (RAL 9016)
Mounting	Thru-hole ceiling mount (optional)
Mounting Note	For antenna installation on metal ceilings, please contact your local ANDREW representative
Number of Ports	2
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ABS, UV resistant
RF Connector Interface	4.3-10 Female

Dimensions

Height	18 mm 0.709 in
Pigtail Length	300 mm 11.811 in
Outer Diameter	280 mm 11.024 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1427 – 1518 MHz 1695 – 2700 MHz 3300 – 4200 MHz 4900 – 6000 MHz 617 – 698 MHz 698 – 960 MHz
Electrical Note	Values typical, unless otherwise stated

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Electrical Specifications

Frequency Band, MHz	617–698	698–960	1427–1518	1695–2700	3300–4200	4900–6000
Gain, dBi	4.5	5.5	4.7	4.8	5.5	5.7
Beamwidth, Horizontal, degrees	360	360	360	360	360	360
Isolation, Cross Polarization, dB	11	14	20	20	20	23
PIM, 3rd Order, 2 x 20 W, dBc	-153	-153	-153	-153	-153	-153
Input Power per Port, maximum, watts	100	100	100	100	100	100

VSWR/Return Loss

Frequency Band	VSWR, Maximum	Return Loss, Maximum (dB)	VSWR, Mean	Return Loss, Mean (dB)
617–698 MHz	2.5	7.36	1.8	10.88
698–960 MHz	2.2	8.52	1.5	13.98
1427–1518 MHz	1.8	10.88	1.5	13.98
1695–2700 MHz	1.8	10.88	1.5	13.98
3300–4200 MHz	1.8	10.88	1.5	13.98
4900–6000 MHz	1.8	10.88	1.5	13.98

Environmental Specifications

Operating Temperature -40 °C to +60 °C (-40 °F to +140 °F)

Relative Humidity Up to 100%

Packaging and Weights

Width, packed	230 mm 9.055 in
Depth, packed	180 mm 7.087 in
Length, packed	200 mm 7.874 in
Weight, gross	1.3 kg 2.866 lb
Weight, net	1.2 kg 2.646 lb