

# VD-D-43-UWI53



ValuDAS® Low PIM Directional In-building Antenna, for Wall Mounting, 600-960, 1427-4200, 4900-6000 MHz

## Product Classification

Product Type	In-building antenna
Product Brand	ValuDAS®

## General Specifications

Application	Indoor
Antenna Type	Directional
Polarization	Vertical
Color	Signal white (RAL 9003)   White
Number of Ports	1
Radome Material	ABS, UV resistant
RF Connector Interface	4.3-10 Female

## Dimensions

Height	180 mm   7.087 in
Width	158 mm   6.22 in
Depth	66 mm   2.598 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

## Electrical Specifications

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Frequency Band, MHz	600–698	698–960	1427–4200	4900–6000
Gain, dBi	5	5	8	7
Beamwidth, Horizontal, degrees	90	90	60	20
Beamwidth, Vertical, degrees	70	65	40	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	9.54	1.5	13.98
698–960 MHz	2	9.54	1.5	13.98
1427–4200 MHz	2	9.54	1.5	13.98
4900–6000 MHz	2	9.54	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	270 mm   10.63 in
Depth, packed	75 mm   2.953 in
Length, packed	240 mm   9.449 in
Net Weight, with mounting kit	0.6 kg   1.323 lb
Packaging quantity	1
Weight, gross	0.6 kg   1.323 lb
Weight, net	0.4 kg   0.882 lb