

VD-O-43-UWI53



ValuDAS™ Low PIM Omni In-building Antenna, 600–6000 MHz

Product Classification

Product Type	In-building antenna
Product Brand	ValuDAS®

General Specifications

Application	Indoor
Antenna Type	Omni
Antenna Array Characteristic	SISO
Polarization	Vertical
Color	White (RAL 9016)
Mounting	Thru-hole ceiling mount (optional)
Number of Ports	1
Pigtail Cable	670-141SXE, plenum rated
Radome Material	ABS, UV resistant
RF Connector Interface	4.3-10 Female

Dimensions

Height	120 mm 4.724 in
Pigtail Length	300 mm 11.811 in
Outer Diameter	203 mm 7.992 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	1427 – 1518 MHz 1695 – 2700 MHz 3300 – 4200 MHz 4900 – 6000 MHz 600 – 698 MHz 698 – 960 MHz
Electrical Note	Values typical, unless otherwise stated

Electrical Specifications

VD-0-43-UWI53

Frequency Band, MHz	600–698	698–960	1427–1518	1695–2700	3300–4200	4900–6000
Gain, dBi	1.8	2.3	2.6	3.8	3.1	2.7
Beamwidth, Horizontal, degrees	360	360	360	360	360	360
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)
600–698 MHz	2.5	7.36	2	9.54
698–960 MHz	2	9.54	1.7	11.73
1427–1518 MHz	1.8	10.88	1.4	15.56
1695–2700 MHz	1.8	10.88	1.4	15.56
3300–4200 MHz	1.8	10.88	1.4	15.56
4900–6000 MHz	2	9.54	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

Height, packed	182 mm 7.165 in
Width, packed	182 mm 7.165 in
Depth, packed	78 mm 3.071 in
Packaging quantity	1
Weight, gross	0.6 kg 1.323 lb
Weight, net	0.4 kg 0.882 lb