



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

VD-D-43-UWI53

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