

3300 - 4200MHz Panel Antenna

(2 Ports, +/-45° Polarisation, 65° Beamwidth, Fixed Tilt)

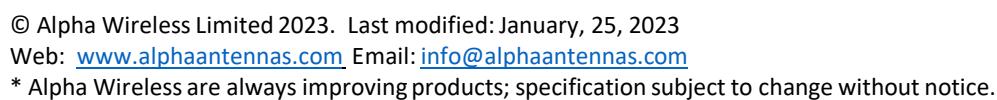
*The parameters in this specification follow the definitions and recommendations per NGMN P-Basta, Release 9.6

RF Specifications

Frequency Range	MHz	3300 - 3800	3800 - 4200
Polarisation:	NA	+/-45° Slant Linear	
Gain			
	Basta dBi	14.0 ± 0.5	14.2 ± 0.5
	Max dBi	14.5	14.7
Azimuth Beamwidth	Degree	65	
Azimuth Beam Squint	Degree	5	
Elevation Beamwidth	Degree	16.5	14.5
Electrical Downtilt:	Degree	0	
Electrical Downtilt Deviation	Degree <	1	
Impedance	Ohms	50	
VSWR	NA <	1.5	
Return Loss	dB >	14	
Isolation	dB >	25	
Front to Back Ratio: Total Power +/- 30deg	dB >	27	
Cross Polar Discrimination at 0°	dB >	18	
Maximum Effective Power Per Port	W	50	

Mechanical Specifications

Dimensions (LxWxD)	mm	280 x 72 x 24.2
Packing Size (LxWxD)	mm	TBD
Shipping Weight	kg	0.1
Connector Quantity	NA	2 x SMA RA
Connector Position	NA	Bottom
Labelling	NA	P1 & P2
Cable Length	mm	320
Product Compliance Environmental	NA	RoHS
Lightening Protection	NA	DC Grounded
Cold Temperature Survival	Celsius	-40
Hot Temperature Survival	Celsius	+ 55



AW3950-1 Revision Control Sheet



Revision	Author	Date	Description
0	Petr Svarc	25/01/2023	Initial Release

© Alpha Wireless Limited 2023. Last modified: January, 25, 2023

Web: www.alphaantennas.com Email: info@alphaantennas.com

* Alpha Wireless are always improving products; specification subject to change without notice.