

3300-3800MHz Sector Antenna

(Quad Port, 65° Beamwidth, +/-45° Polarisation, Fixed Tilt)

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

RF Specifications

Frequency Range per Input	MHz	3300 - 3800
Polarisation:	NA	+/-45° Slant Linear
Gain		
Over all Tilts	dBi	18
Azimuth Beamwidth	Degree	65
Azimuth Beam Squint	Degree <	3
Elevation Beamwidth	Degree	7
Electrical Downtilt:	Degree	T0° or T4° (*)
Electrical Downtilt Deviation	Degree <	1
Impedance	Ohms	50
VSWR	NA <	1.5
Return Loss:	dB >	14
Isolation	dB >	28
Front to Back Ratio: Total Power +/-30°	dB >	30
Upper Sidelobe Suppression, Peak to 20°	dB >	18
Cross Polar Discrimination at Sector	dB >	16
Maximum Effective Power Per Port	W	100



Mechanical Specifications

Dimensions (LxWxD)	mm (in)	750 (29.5) x 280 (11) x 85 (3.3)
Packing Size (LxWxD)	mm (in)	823(32.4) x 340(13.3) x 178(7)
Net Weight (antenna)	kg (lb)	4.3 (9.4)
Net Weight (mount)	kg (lb)	1.57 (3.4)
Shipping Weight	kg (lb)	5.8 (12.8)
Connector Quantity	NA	4 x N Type Female
Connector Position	NA	Bottom
Windload calculation	km/h	$F=1/2*\rho*(Cdp*\lambda)*v^2*A$
Windload Frontal	N	420
Windload Lateral	N	120
Survival Wind Speed	km/h	200 (125)
Radome Material	NA	UV-Stabilised PVC
Radome Colour	RAL	7035
Product Compliance Environmental	NA	RoHS
Lightening Protection	NA	DC Grounded
Cold Temperature Survival	Celsius	-40
Hot Temperature Survival	Celsius	+ 70

*Ordering Information:

AW3023-xx-N

