

1710 -2690MHz Pico Omni Antenna

(Quad Port, 360° Beamwidth , +/-45° Polarisation, FT with Diplexer)

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

RF Specifications

Frequency Range per Input	MHz	2 x 1710-2170	2 x 2496 - 2690
Polarisation:	NA	+/-45° Slant Linear	+/-45° Slant Linear
Gain @ T0	dBi	6.6	6.9
Azimuth Beamwidth	Degree	360	360
Elevation Beamwidth	Degree	18	13
Electrical Downtilt:	Degree	T0°, T8° or T14°	
Electrical Downtilt Deviation	Degree <	1	1
Impedance	Ohms	50	
VSWR	NA <	1.4	1.4
Return Loss:	dB >	15	
Isolation	dB >	28	
Passive Intermodulation	dBc <	-150	
Upper Sidelobe Suppression, Peak to 20°	dB >	17	
Cross Polar Discrimination at Sector	dB >	10	
Maximum Effective Power Per Port	W	100	
Interband Isolation:	dB >	28	

Mechanical Specifications

Dimensions (LxØ) mm (in)	mm (in)	650 (25.5) x 115 (4.5)
Packing Size (LxWxH)	mm (in)	710 (27.9) x 200 (7.9) x 200 (7.9)
Net Weight (antenna)	kg (lb)	2.1 (4.6)
Net Weight (mount)	kg (lb)	0.5(1.1)
Shipping Weight	kg (lb)	4.6 (10.1)
Connector Quantity	NA	4 x Min-Din Female
Connector Position	NA	Bottom
Windload calculation	km/h	$F=1/2*\rho*(Cdp*\lambda)*v^2*A$
Windload Frontal	N	166.2
Windload Lateral	N	NA
Survival Wind Speed	km/h	200
Radome Material	NA	UV-Stabilised PVC
Radome Colour	RAL	9002
Product Compliance Environmental	NA	RoHS
Lightening Protection	NA	DC Grounded
Cold Temperature Survival	Celsius	-40
Hot Temperature Survival	Celsius	+ 70



Ordering Information:

Connector types available

7/16 DIN (F) or 4.3-10 (F)

* T0 (Electrical Tilt 0)

** T8 (Electrical Tilt 8)

*** T14 (Electrical Tilt 14)

**** G (to include GPS Model)