

Quad Port Dual Polarized Sector Antenna

Product Description

This broadband quad port dual polarized basestation antenna is designed for sectorized applications offering superior Azimuth and Elevation pattern control over the entire frequency band and across the tilt range. Features Include; Excellent Radiation Patterns; Wide Bandwidth with stable gain across the band; Low PIM Design; UV Stabilized Radome Applications: WiMAX Sector antennas, MIMO

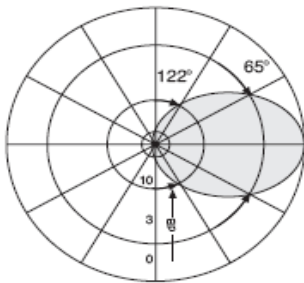
Technical Specifications

Model No.	TQ-23M-4-65-VET
Antenna Type	SECTOR ANTENNA
Electrical Specifications :	
Frequency (MHz)	2300 - 2690
Gain (dBi)	17.5 +/- 0.5
VSWR	≤ 1.5
Polarization	+/- 45 deg. Dual Linear slant
Front to Back Ratio (dB)	≥ 30
Upper Sidelobe Suppression (dB)	≥ 18
Power Handling (W)	150
H-Plain Beam-width (deg.)	65 +/- 5
E-Plain Beam-width (deg.)	7 +/- 0.5
Electrical Down tilt (deg.)	0 - 10
Cross Pol. Discrimination (dB)	≥ 20
Termination (Ohms)	50
Port to Port Isolation (dB)	≥ 25
PIM (dBc)	≥ 150
Mechanical Specifications :	
Length (mm)	1250
Width (mm)	230
Height (mm)	82
Weight Including Clamps (kg)	10
Radome	Styrosun 6600
Connectors	N Female
Connector Location	Bottom
Number of connector ports	4

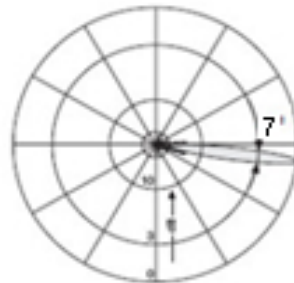
Product Photo



Antenna Patterns



Horizontal Pattern



Vertical Pattern

Environmental Specifications :

Rated Wind Velocity (Km/h)	200
Hor. Thrust at rated wind (kg)	82
Lightening Protection	DC grounded
Temperature (°C)	-20 to +70