

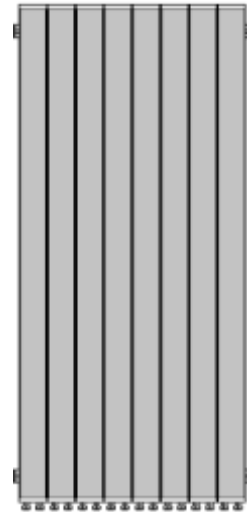


ETI DuoPol 2.6GHz Antenna System

Model No. ET2P2600X816

ET Industries DuoPol antenna systems provide multibeam and frequency reuse beam forming technology designed for use in wireless telecom networks and they increase coverage and capacity.

- X-Polarized (+45° and - 45°)
- Multibeam Sector Technology for improved network capacity and throughput
- Ultra-High Gain for increase coverage
- Multiple sectors (up to 12) with only 3 antennas
- UV Resistance Radome
- MIMO and NIMO (Non-Interfering Multiple Outputs) ready



Electrical Specifications:

Frequency Range	2480-2720 MHz
VSWR	< 1.4:1
Impedance	50 Ω
Connector for BFN	4x7-16 DIN Female (or N-Type Female)
Connector for Antenna	16x7-16 DIN Female (or N-Type Female)
Gain	27 dBi
Vertical Beamwidth (Half Power)	5°
Horizontal Beamwidth (Half Power)	** SEE NOTE BELOW
Sidelobe Suppression	> 25 dB
Front to Back Ratio	30 dB
Tracking Average	<0.5 dB
Isolation Between Ports	30 dB
Intermodulation	IM3: < 156 dBc
Max Power	400 Watts
Cross Polarization Ratio (Main)	25 dB (Typical)

** ETI's Antenna Systems incorporate beam forming and beam shaping networks. By varying the configuration to the BFN 30°, 60°, 90° or 120° subsector beams can be produced to cover 90° and 120° sectors with the same antenna system.

For 30°, 60°, 90°, and 120° the horizontal beam width has $\pm .6$, ± 1.2 , ± 1.8 , and ± 2.4 beam width variation across the frequency band respectively. The vertical beam width 85°, 42°, 21°, 10.5°, 7°, and 5° has a $\pm .15$, $\pm .3$, $\pm .6$, ± 1.2 , and ± 2.4 across the band respectively.



Mechanical Specifications:

Length	40.53 in (1030 mm)
Width	19 in (483 mm)
Depth	3.41 in (87 mm)
Weight (Including Mounting)	40.6 lb (~18.4 kg)
Mounting	Mounting Bracket Conforming to Site Location
Remote Electrical Tilting (RET)	-5° to +15°

Environmental Specifications:

Wind- Loading Max	165 MPH (265 KPH)
Operation Temperature	-40°C to 65°C
Protection Against Lightning	Lightning Protection Kit Included

