



DB858DG85ESX

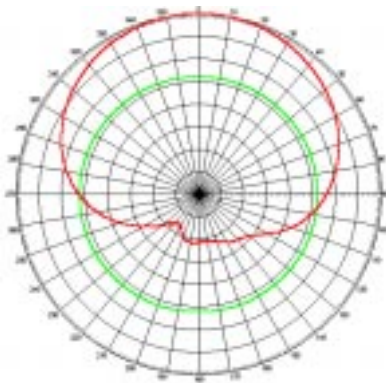
14.4 dBd
Diversity Master™ Panel Antenna

806-896 MHz

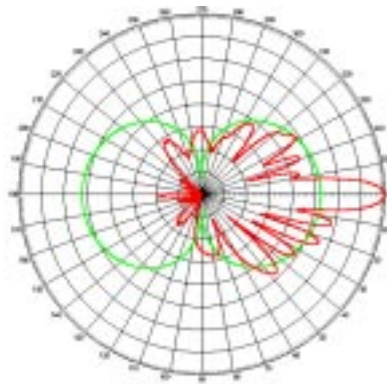
GEN3XPOL™
Diversity Master™

- Features GEN3XPOL™ air dielectric technology for superior gain per unit length.
- No screws, rivets, aluminum welding or soldering in critical dipole to transformer circuit.
- Superior pattern control.

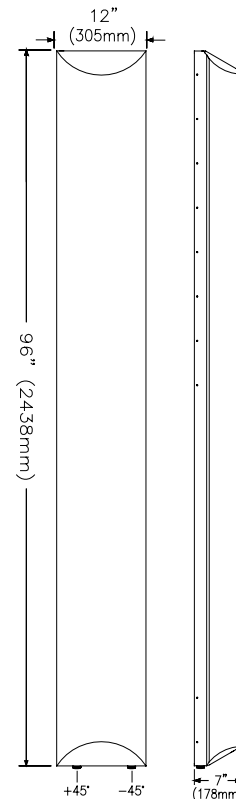
85°



Azimuth
(Horizontal)



Elevation
(Vertical)



Scale: 10° radials, 5 dB per division

Electrical

Frequency:	806-896 MHz
Polarization:	+/- 45°
Gain:	14.4 dBd (16.5 dBi)
Azimuth BW:	85°
Elevation BW:	8°
Beam Tilt:	0° Fixed
USLS:	> 18 dB
Front-to-Back Ratio:	> 27 dB, typical
Isolation:	> 30 dB
VSWR:	< 1.33:1
PIM:	-150 dBc (2 tone, 20 watt)
Impedance:	50 Ohms
Max. Input Power:	600 Watts
Lightning Protection:	All metal parts are grounded.

Mechanical

Weight:	33 lbs (14.8 kg)
Dimensions (L x W x H):	96" x 12" x 7" (2438 x 305 x 178mm)
Max. Wind Area:	8.4 ft² (0.8 m²)
Max. Wind Load:	334 lbf (1487N) (at 100 mph)
Max. Wind Speed:	125 mph (201 km/h)
Radiators:	Aluminum
Radome:	ABS, UV Inhibited
Mounting Hardware:	Galvanized Steel
Connector:	7/16 DIN Female (Bottom)
Color:	Light Gray

Mounting Options

Standard:	DB380-3 pipe mount kit (max. 3.5" OD), included.
Downtilt:	DB5083D downtilt bracket, optional.

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ISO9001 Compliant