



# DB858DG65ESX

DualPol® Antenna

**Decibel®**  
Base Station Antennas

- Features air dielectric feed system for maximum array efficiency and lowest loss
- No fasteners, rivets, soldering or welding in critical element-to-transformer circuit
- Strong first upper side lobe suppression
- Excellent gain per unit length of antenna

## ELECTRICAL

Frequency (MHz) :	806 - 896
Polarization :	±45°
Gain (dBd/dBi) :	15.3/17.4
Azimuth BW (Deg.):	65
Elevation BW (Deg.):	7.5
Beam Tilt (Deg.):	0
USLS* (dB) :	15
Front-To-Back Ratio* (dB) :	30
Isolation (dB) :	>30
VSWR :	<1.33:1
PIM3 @ 2 x 20w (dBc) :	-150
Max. Input Power (Watts) :	500
Impedance (Ohms) :	50
Lightning Protection :	DC Ground

## MECHANICAL

Weight :	15.8 kg (35 lb)
Dimensions (LxWxD) :	2,438 x 318 x 140 mm (96 x 12.5 x 5.5 in)
Max. Wind Area :	0.39 m <sup>2</sup> (4.2 ft <sup>2</sup> )
Max. Wind Load (@ 100 mph) :	1,031.9 N (232 lbf)
Max. Wind Speed :	241 km/h (150 mph)
Hardware Material :	Galvanized Steel
Connector Type :	7-16 DIN - Female (2, Bottom)
Color :	Light Gray
Standard Mounting Hardware :	DB380-3
Standard Downtilt	
Mounting Hardware :	DB5083D



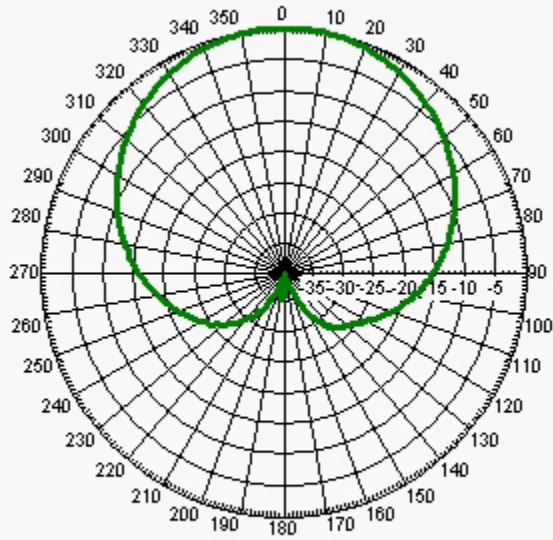


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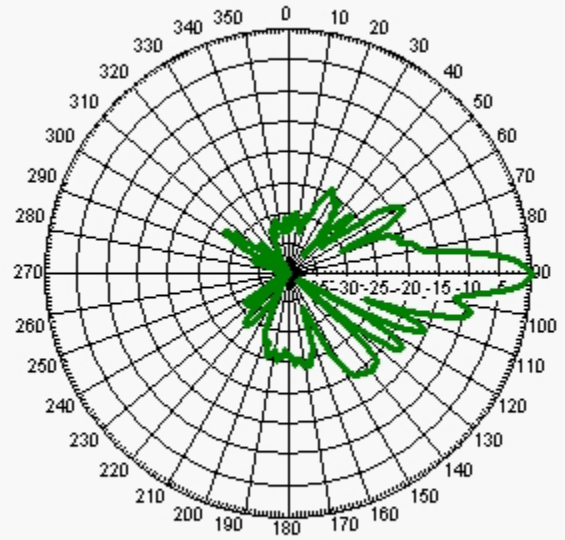
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## AZIMUTH PATTERN



Freq: 850 MHz, Tilt: 0

## ELEVATION PATTERN



Freq: 850 MHz, Tilt: 0