



DB854DG90ESY

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) :	870 - 960
Polarization :	±45°
Gain (dBd/dBi) :	12/14.1
Azimuth BW (Deg.):	90
Elevation BW (Deg.):	14.5
Beam Tilt (Deg.):	0
USLS* (dB) :	15
Front-To-Back Ratio* (dB) :	27
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 :	8.1 kg (18 lb)
Dimensions (LxWxD) :	1,219 x 318 x 165 mm (48 x 12.5 x 6.5 in)
Max. Wind Area :	0.18 m ² (1.9 ft ²)
Max. Wind Load (@ 100 mph) :	484.8 N (109 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
Standard Downtilt Mounting Hardware :	DB5083



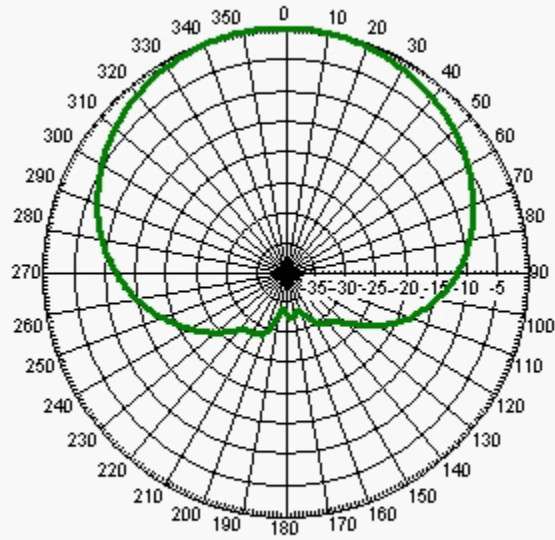


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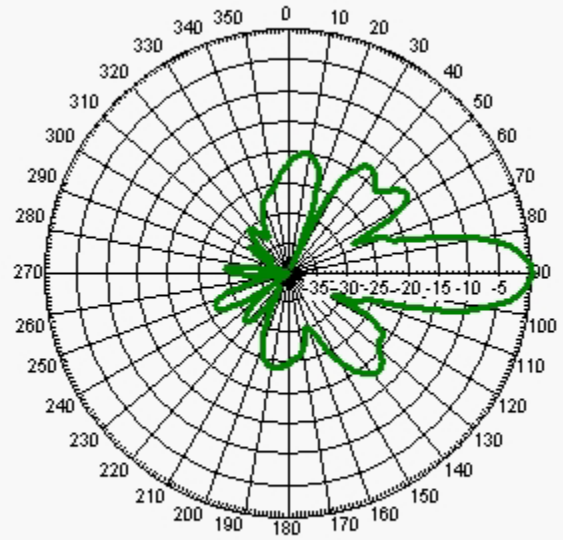
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AZIMUTH PATTERN



Freq: 915 MHz, Tilt: 0

ELEVATION PATTERN



Freq: 915 MHz, Tilt: 0