



DB589-A

Omni Antenna

Decibel®

- Omnidirectional coverage
- Rugged, durable construction, heavy duty radome for minimum tip deflection
- Lightning resistant, with large diameter conductor extending top to bottom
- Invert mountable

ELECTRICAL

Frequency (MHz) :	746 - 806
Polarization :	Vertical
Gain (dBd/dBi) :	9/11.1
Azimuth BW (Deg.):	360
Elevation BW (Deg.):	7.5
Beam Tilt (Deg.):	0
VSWR :	<1.5:1
PIM3 @ 2 x 20w (dBc) :	-153
Max. Input Power (Watts) :	500
Impedance (Ohms) :	50
Lightning Protection :	DC Ground

MECHANICAL

Weight :	5.2 kg (11.5 lb)
Dimensions (LxUO) :	4,211 x 51 mm (165.8 x 2 in)
Max. Wind Area :	0.09 m ² (1 ft ²)
Max. Wind Load (@ 100 mph) :	256.6 N (57.7 lbf)
Max. Wind Speed :	201 km/h (125 mph)
Tip Deflection (@ 100 mph) :	49 °
Hardware Material :	Galvanized Steel
Connector Type :	N - Type Female (1, Bottom)
Color :	Horizon Blue
Standard Mounting Hardware :	DB365-OS



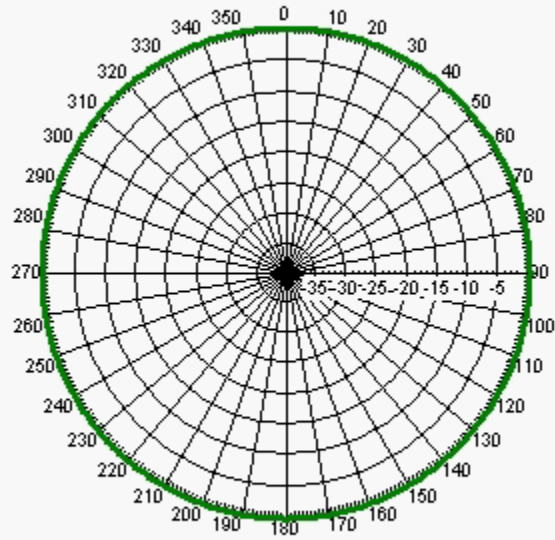


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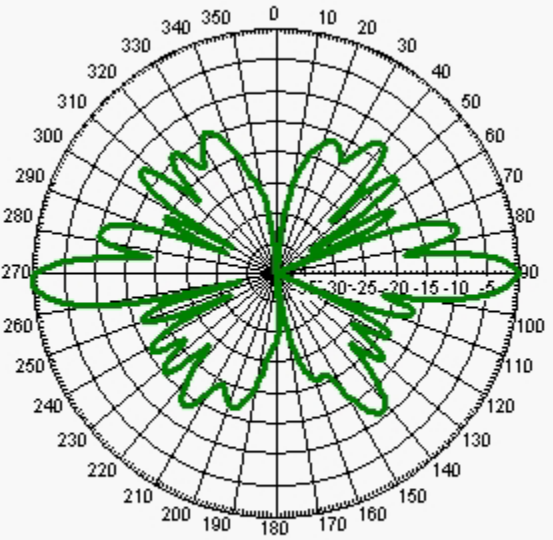
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AZIMUTH PATTERN



Freq: 780 MHz, Tilt: 0

ELEVATION PATTERN



Freq: 780 MHz, Tilt: 0