



DB876G105AXY

Panel Antenna

Decibel[®]
Base Station Antennas

- Air dielectric feed system featuring no screws, welds, solder or rivets in dipole feedpoint
- Low loss feed system provides improved gain per unit length
- Low noise due to superior intermodulation performance
- Low profile appearance and low wind loading profile for easier zoning approvals

ELECTRICAL

| | | |
|-----------------------------|-----------|-----------|
| Frequency (MHz) : | 806 - 896 | 870 - 960 |
| Polarization : | Vertical | Vertical |
| Gain (dBd/dBi) : | 13/15.1 | 13.4/15.5 |
| Azimuth BW (Deg.): | 105 | 105 |
| Elevation BW (Deg.): | 10 | 10 |
| Beam Tilt (Deg.): | 0 | 0 |
| USLS* (dB) : | 15 | 15 |
| Front-To-Back Ratio* (dB) : | 23 | 23 |
| VSWR : | <1.33:1 | <1.33:1 |
| PIM3 @ 2 x 20w (dBc) : | -150 | -150 |
| Max. Input Power (Watts) : | 500 | 500 |
| Impedance (Ohms) : | 50 | 50 |
| Lightning Protection : | DC Ground | DC Ground |

MECHANICAL

| | |
|--|--|
| Weight : | 10.4 kg (23 lb) |
| Dimensions (LxWxD) : | 1,829 x 267 x 114 mm (72 x 10.5 x 4.5 in) |
| Max. Wind Area : | 0.24 m ² (2.6 ft ²) |
| Max. Wind Load (@ 100 mph) : | 631.6 N (142 lbf) |
| Max. Wind Speed : | 241 km/h (150 mph) |
| Hardware Material : | Galvanized Steel |
| Connector Type : | 7-16 DIN - Female (1, Back) |
| Color : | Light Gray |
| Standard Mounting Hardware : | DB380 |
| Standard Downtilt Mounting Hardware : | DB5083 |
| WeatherShield™ Enclosure: (Must order separately) | AWE-A12 |



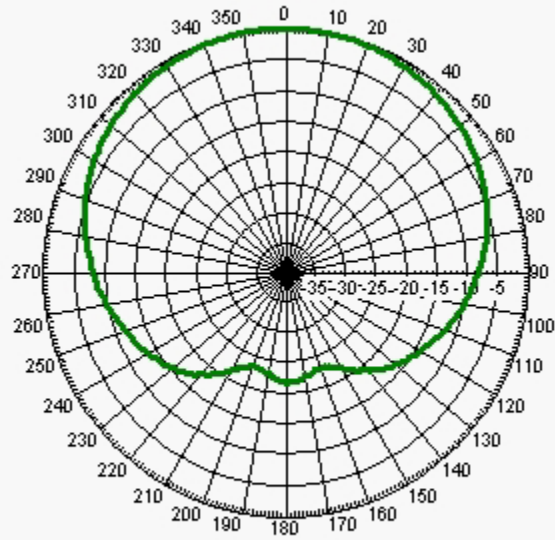


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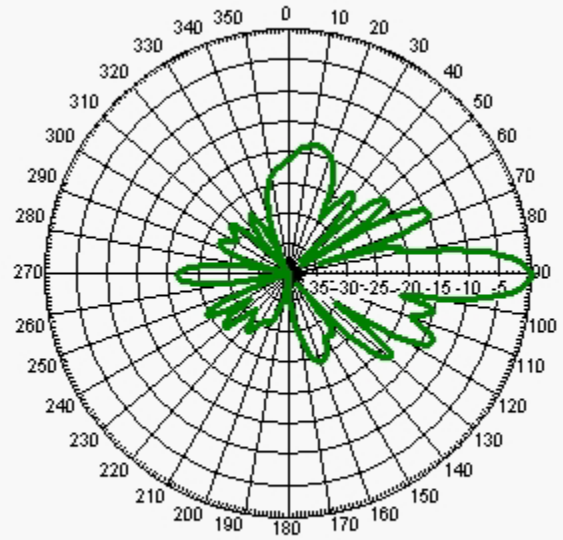
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AZIMUTH PATTERN



Freq: 940 MHz, Tilt: 0

ELEVATION PATTERN



Freq: 940 MHz, Tilt: 0