



# DB654DG65A-C

±45° Diversity Panel Antenna

**DECIBEL®**  
Base Station Antennas

- Air dielectric feed system for exceptional low noise performance
- Strong upper side lobe suppression
- Rugged, durable design
- 

## ELECTRICAL

|                             |           |
|-----------------------------|-----------|
| Frequency (MHz) :           | 420 - 512 |
| Polarization :              | ±45°      |
| Gain (dBd/dBi) :            | 12.9/15   |
| Azimuth BW (Deg.):          | 68        |
| Elevation BW (Deg.):        | 17        |
| Beam Tilt (Deg.):           | 0         |
| USLS* (dB) :                | >15       |
| Front-To-Back Ratio* (dB) : | 25        |
| Isolation (dB) :            | >30       |
| VSWR :                      | <1.4:1    |
| Max. Input Power (Watts) :  | 600       |
| Impedance (Ohms) :          | 50        |
| Lightning Protection :      | DC Ground |

## MECHANICAL

|                                          |                                             |
|------------------------------------------|---------------------------------------------|
| Weight :                                 | 19.0 kg (41.9 lb)                           |
| Dimensions (LxWxD) :                     | 1,981 x 483 x 229 mm<br>(78 x 19 x 9 in)    |
| Max. Wind Area :                         | 0.96 m <sup>2</sup> (10.3 ft <sup>2</sup> ) |
| Max. Wind Load (@ 100 mph) :             | 1,831.2 N (411.7 lbf)                       |
| Max. Wind Speed :                        | 201 km/h (125 mph)                          |
| Hardware Material :                      | Galvanized Steel                            |
| Connector Type :                         | 7-16 DIN - Female<br>(2, Back)              |
| Color :                                  | Light Gray                                  |
| Standard Mounting Hardware :             | DB380                                       |
| Standard Downtilt<br>Mounting Hardware : | DB5083                                      |



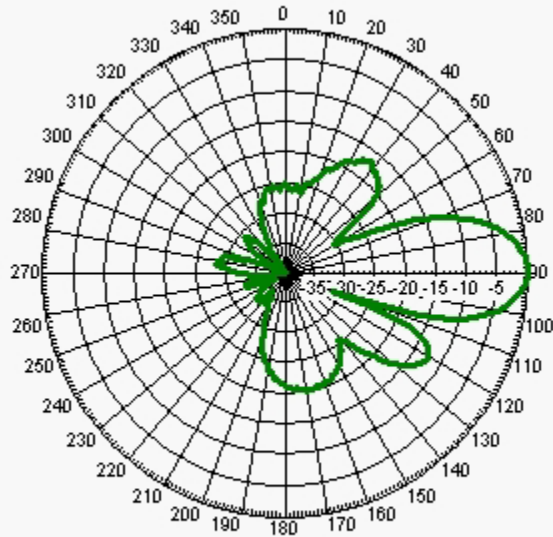


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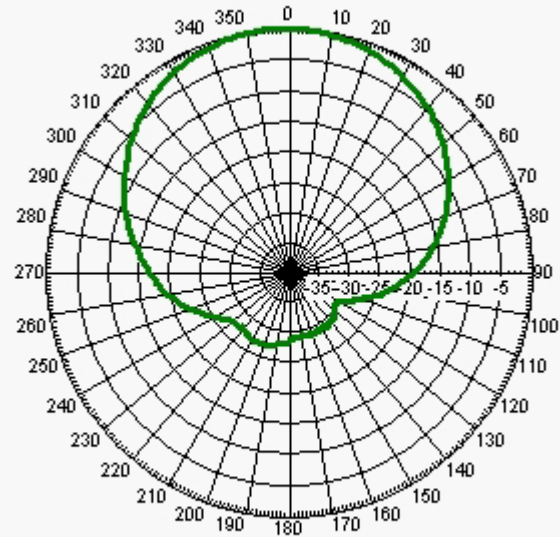
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## AZIMUTH PATTERN



Freq: 450 MHz, Tilt: 0

## ELEVATION PATTERN



Freq: 450 MHz, Tilt: 0