

Base Station Antennas



ANTENNA SPECIFICATIONS

ANTENNA TYPE: PG1D0F-0093-009

Description: 928-944 MHz, single polarized, 9 dBi gain omni antenna with 0 degrees of electrical downtilt

Electrical Specifications

| | |
|------------------------------|-----------------|
| Frequency Band, MHz | 928-944 |
| Gain, dBd (dBi) | 6.8 (9.0) |
| Elevation Beamwidth, degrees | 13 |
| Polarization Type | Single/Vertical |
| Electrical Downtilt, degrees | 0 |
| Return Loss, dB (VSWR) | >14.0 (<1.5) |
| Impedance, ohms | 50 |
| Maximum Input Power, watts | 500 |
| Lightning Protection | DC Ground |
| Connector Type | 7-16 DIN Female |
| Connector Position | Bottom |

Mechanical Specifications

| | |
|--|-------------------------|
| Antenna Dimensions - L x Dia., mm (in) | 1732 (68.2) x 44 (1.75) |
| Antenna Weight, kg (lb) | 2.5 (5.5) |
| Radome Color | Gray |
| Radome Material | UV Protected Fiberglass |

Environmental Specifications

| | |
|-----------------------------------|------------|
| Survival Wind Speed, km/h (mph) | 201 (125) |
| Wind Load, N (lbf)* | 111 (24.9) |
| Bending Moment, N (ft-lb) | 87 (65) |
| Flare Plate Area, sq. cm (sq. in) | 460 (71.6) |
| Temperature Range, degrees C | -40 to +70 |
| Humidity, % | Up to 100 |
| * Based on 100 mph (161 km/h) | |

Shipping Specifications

| | |
|--|--------------------|
| Shipping Dimensions - L x Diam., mm (in) | 1803 (71) X 76 (3) |
| Shipping Weight, kg (lb) | 4.1 (9.0) |

Mounting Hardware Specifications

| | |
|--|--------------------------------|
| Mounting Bracket Part Number | 600033 |
| Mount Weight, kg (lb) | 4.3 (9.5) |
| Mount Description | Fixed Mount |
| To include mounting hardware with antenna, order part number: | PG1D0F-0093-009M |
| Shipping Dimensions of mount carton - L x W x D, mm (in) | 380 (15) x 80 (3.2) x 80 (3.2) |
| Shipping Weight of mount and antenna, kg (lb) (Mount carton packaged with antenna for shipping) | 8.6 (18.9) |

Customer Support Center:

From North America: 1-800-255-1479

International: +1-708-873-2307

www.andrew.com

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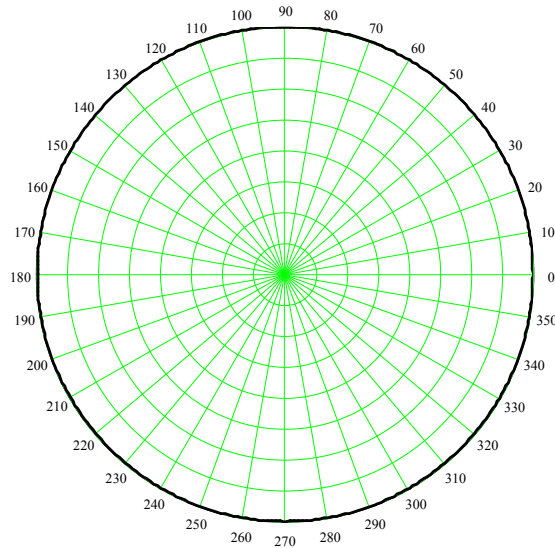
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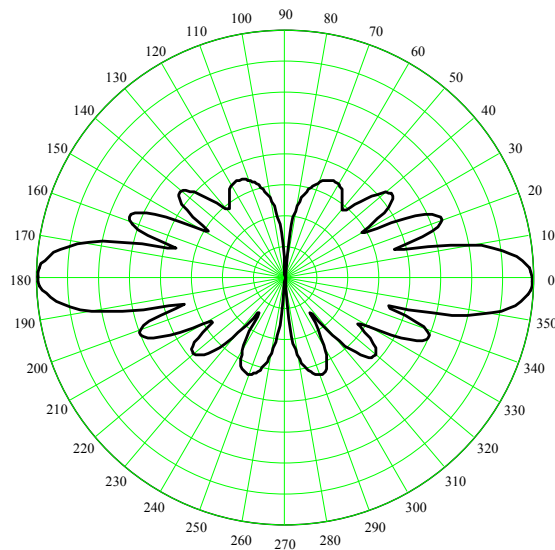


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Azimuth Patterns
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division



Elevation Pattern
Polar Plot Center = -40dB
5 dB / radial division
10 degree / angular division

Pattern File 640181
Measured at 928 MHz

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