

DB992HG28N-B



1-port small cell antenna, 1710–2490 MHz, 30° HPBW, fixed electrical tilt

- High gain array ideal for point-to-point and repeater applications
- Unique mounts allow vertical or horizontal polarization

General Specifications

| | |
|---|--|
| Antenna Type | Small Cell |
| Band | Single band |
| Color | Light Gray (RAL 7035) |
| Grounding Type | RF connector inner conductor and body grounded to reflector and mounting bracket |
| Performance Note | Outdoor usage |
| Radome Material | ABS, UV resistant |
| Radiator Material | Aluminum |
| RF Connector Interface | N Female |
| RF Connector Location | Bottom |
| RF Connector Quantity, high band | 1 |
| RF Connector Quantity, mid band | 0 |
| RF Connector Quantity, low band | 0 |
| RF Connector Quantity, total | 1 |

Dimensions

| | |
|---|--------------------|
| Width | 311 mm 12.244 in |
| Depth | 124 mm 4.882 in |
| Length | 311 mm 12.244 in |
| Net Weight, without mounting kit | 1.3 kg 2.866 lb |

Electrical Specifications

| | |
|---------------------------------|----------------------------------|
| Impedance | 50 ohm |
| Operating Frequency Band | 1710 – 2490 MHz |
| Polarization | Horizontal Vertical Vertical |

Electrical Specifications

DB992HG28N-B

| Frequency Band, MHz | 1710–2170 | 2170–2490 |
|--------------------------------------|------------|------------|
| Gain, dBi | 16 | 16 |
| Beamwidth, Horizontal, degrees | 28 | 28 |
| Beamwidth, Vertical, degrees | 30 | 30 |
| Beam Tilt, degrees | 0 | 0 |
| USLS, typical, dB | 15 | 15 |
| Front-to-Back Ratio at 180°, dB | 30 | 30 |
| VSWR Return loss, dB | 1.4 15.6 | 1.9 10.1 |
| PIM, 3rd Order, 2 x 10 W, dBc | -150 | -150 |
| Input Power per Port, maximum, watts | 100 | 100 |

Mechanical Specifications

| | |
|----------------------------------|--|
| Wind Loading @ Velocity, maximum | 156.0 N @ 150 km/h (35.1 lbf @ 150 km/h) |
| Wind Speed, maximum | 201 km/h (125 mph) |

Regulatory Compliance/Certifications

| Agency | Classification |
|---------------|--|
| CE | Compliant with the relevant CE product directives |
| CHINA-ROHS | Below maximum concentration value |
| ISO 9001:2015 | Designed, manufactured and/or distributed under this quality management system |
| REACH-SVHC | Compliant as per SVHC revision on www.andrew.com/ProductCompliance |
| ROHS | Compliant |
| UK-ROHS | Compliant |



Included Products

| | | |
|-------|---|---|
| DB390 | – | Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Use for narrow panel antennas. Includes two pipe mounts. |
|-------|---|---|

* Footnotes

| | |
|-------------------------|---|
| Performance Note | Severe environmental conditions may degrade optimum performance |
|-------------------------|---|