



Antenna

Sectoral 2.0-2.3 GHz 90 ° 15 dBi

AT A GLANCE

90 degree sector antenna

2.0-2.3 GHz 15 dBi dual linear H Pol and V Pol

Built-in GPS antenna

Flying cable leads for all antenna connections

Includes antenna mounting hardware w/mechanical downtilt

Fits 40-120 mm (1.5 to 4.75 in) mast

RDL-3000 mounts directly to back of antenna

ORDERING CODE
AFS-DBG-02L90-01

ELECTRICAL

| | |
|------------------------|---------------------|
| Frequency Range | 2000 - 2300 MHz |
| HP Azimuth Beamwidth | 90 Degrees |
| HP Elevation Beamwidth | 9 Degrees |
| Gain | 15 dBi |
| Polarization | Dual Linear H and V |
| Electrical Downtilt | 0 Degrees |
| VSWR | 1.5:1 |
| F/B | > 20 dB |
| Cross Polarization | > 20 dB |
| Isolation | > 30 dB |
| Input Power | 50 W |
| Impedance | 50 Ohm |
| Lightning Protection | DC Gnd |

MECHANICAL

| | |
|---------------------|--|
| Antenna Type | Flat Panel |
| Antenna Termination | 2 x Flying Leads N-(f) |
| Bracket | Included |
| Radio Direct Mount | Yes |
| Integrated GPS | Yes |
| Weight | 10.2 kg (22.4 lbs) |
| GPS Gain | RHC 4 dBiC |
| GPS Termination | Flying Lead TNC-(m) |
| Mechanical Downtilt | 10 Degrees |
| Mast Size | 40-120mm (1.5 to 4.75in) |
| Product Dimensions | 991 x 300 x 52.8 mm 38.6 x 11.7 x 2.1 in |

ENVIRONMENTAL

| | |
|--------------------------|---------------------|
| Operating Temperature | -40 to 70 C |
| Wind Speed (Operational) | 160 km/h (99.2 mph) |
| Wind Load Front Thrust | 43.5 kg (95.7 lbs) |
| Wind Load Speed | 160 km/h (99.2 mph) |
| Wind Speed (Survival) | 160 km/h (99.2 mph) |
| Ingress Protection | IP67 |

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REDLINE VIRTUAL FIBER

Redline Virtual Fiber is your smart alternative to deliver IP connectivity whenever fiber-like performance is required and you need to deploy rapidly, where fiber is not available, or fiber is impractical. With simple setup and connection, scalable performance options, superior physical security and reliability, Redline Virtual Fiber provides flexibility not available with fiber.

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COMPLIANCE



ABOUT REDLINE COMMUNICATIONS

Redline Communications (www.rdlcom.com) is the innovator of Virtual Fiber, a rugged wireless broadband solution used to cost-effectively deploy and extend secure networks, enable machine-to-machine (M2M) applications, connect digital oilfields and smart grids, facilitate and enhance public safety networks, and bring Internet access wherever and whenever it's needed - regardless of terrain or remote location. For more than a decade Redline has delivered powerful, versatile and reliable wireless systems to governments, militaries, oil and gas companies and telecom service providers through its global network of certified partners.



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