DB420-B

1-port omni exposed dipole antenna, 450–470 MHz, 360° HPBW, fixed electrical tilt

- Broad response
- Moisture resistant
- Rugged, reliable design

General Specifications

Antenna Type	Omni
Band	Single band
Color	Silver
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radiator Material	Aluminum
RF Connector Interface	N Male
RF Connector Location	End of flexible lead
RF Connector Quantity, high band	0
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	1
RF Connector Quantity, total	1

Dimensions

Length	5,918.2 mm | 233 in
Net Weight, without mounting kit	15.6 kg | 34.392 lb

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	450 – 470 MHz
Polarization	Vertical

Electrical Specifications

Frequency Band, MHz	**450–470**
Gain, dBi	11.3

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Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	7
Beam Tilt, degrees	0
VSWR | Return loss, dB	1.5 | 14.0
Input Power per Port, maximum, watts	250

Mechanical Specifications

Wind Loading @ Velocity, maximum	591.6 N @ 100 mph (133.0 lbf @ 100 mph)
Wind Speed, maximum	161 km/h (100 mph)

Regulatory Compliance/Certifications

Agency	Classification
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

DB365-OS	–	Pipe Mounting Kit that consists of two clamps for mounting antennas to round members 1.25 - 3.5 in (35 - 89 mm) OD round members.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance

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