

DB589-Y



1-port omni antenna, 890–960 MHz, 360° HPBW, fixed electrical tilt, fits on 38–51 mm (1-1/2 to 2 in) OD pipe

- Light weight, low profile omnidirectional antenna ideal for low to moderate gain applications
- Integral dual purpose mount allows top or side mounting

General Specifications

Antenna Type	Omni
Band	Single band
Color	Horizon blue
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	Fiberglass, UV resistant
Radiator Material	Brass
RF Connector Interface	N Female
RF Connector Location	Bottom
RF Connector Quantity, low band	1
RF Connector Quantity, total	1

Dimensions

Length	2794 mm 110 in
Outer Diameter	38.1 mm 1.5 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	890 – 960 MHz
Polarization	Vertical

Electrical Specifications

Frequency Band, MHz	890–960
Gain, dBi	11.1
Beamwidth, Horizontal,	360

DB589-Y

degrees

Beamwidth, Vertical, degrees	9
Beam Tilt, degrees	0
VSWR Return loss, dB	1.5 14.0
PIM, 5th Order, 2 x 20 W, dBc	-153
Input Power per Port, maximum, watts	400

Mechanical Specifications

Wind Loading at Velocity, maximum	176.1 N @ 100 mph 39.6 lbf @ 100 mph
Wind Speed, maximum	201 km/h 124.896 mph

Packaging and Weights

Included	V-bolts
Net Weight, without mounting kit	5.2 kg 11.464 lb

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.commscope.com/ProductCompliance
ROHS	Compliant



* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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