DB583-Y

1-port omni antenna, 890–960 MHz, 360° HPBW, fixed electrical tilt, fits on 38–60 mm (1-1/2 to 2 3/8 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

OBSOLETE

This product was discontinued on: March 30, 2024

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, high band	0
RF Connector Quantity, mid band	0
RF Connector Quantity, low band	1
RF Connector Quantity, total	1

Dimensions

Length	812.8 mm | 32 in
Net Weight, without mounting kit	2.8 kg | 6.173 lb
Outer Diameter	38.1 mm | 1.5 in

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	890 – 960 MHz

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Polarization	Vertical

Electrical Specifications

Frequency Band, MHz	**890–960**
Gain, dBi	5.1
Beamwidth, Horizontal, degrees	360
Beamwidth, Vertical, degrees	30
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 @ Velocity, maximum	58.3 N @ 100 mph (13.1 lbf @ 100 mph)
Wind Speed, maximum	201 km/h (125 mph)

Packaging and Weights

Included	V-bolts

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

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance