

Product Specifications

DB654DG65A-C

DualPol[®] Antenna, 410–512 MHz, 65° horizontal beamwidth, fixed electrical tilt



- Air dielectric feed system with no screws, rivets, solder, or welding in dipole feed point
- Excellent upper sidelobe suppression
- Rugged, durable design

CHARACTERISTICS

General Specifications

Antenna Type	DualPol [®]
Brand	DualPol [®]
Operating Frequency Band	410 – 512 MHz

Electrical Specifications

Frequency Band, MHz	410–512
Beamwidth, Horizontal, degrees	65
Gain, dBd	12.9
Gain, dBi	15.0
Beamwidth, Vertical, degrees	17.0
Beam Tilt, degrees	0
Upper Sidelobe Suppression (USLS), typical, dB	15
Front-to-Back Ratio at 180°, dB	28
Isolation, dB	30
VSWR Return Loss, db	1.4:1 15.6
Input Power, maximum, watts	600
Polarization	±45°
Impedance, ohms	50
Lightning Protection	dc Ground

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Mechanical Specifications

Color	Light gray
Connector Interface	7-16 DIN Female
Connector Location	Back
Connector Quantity	2
Radome Material	ABS, UV resistant
Wind Loading, maximum	1831.3 N @ 100 mph 411.7 lbf @ 100 mph
Wind Speed, maximum	201.2 km/h 125.0 mph

Dimensions

Depth	229.0 mm 9.0 in
Length	1981.0 mm 78.0 in
Width	483.0 mm 19.0 in
Net Weight	19.0 kg 41.9 lb

Regulatory Compliance/Certifications

Agency

RoHS 2002/95/EC
China RoHS SJ/T 11364-2006
ISO 9001:2008

Classification

Compliant by Exemption
Above Maximum Concentration Value (MCV)
Designed, manufactured and/or distributed under this quality management system



INCLUDED PRODUCTS



DB5083D

Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members

DB380-3

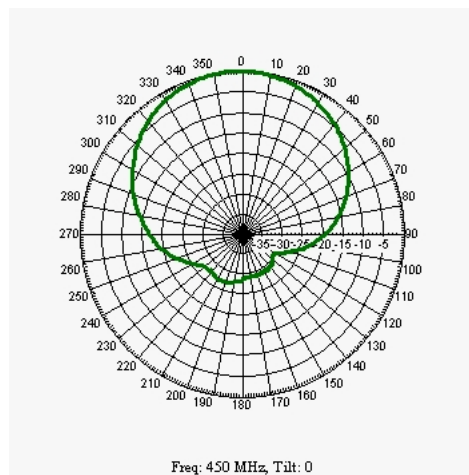
Pipe Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members

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Horizontal Pattern



Vertical Pattern

