

DB654DG65A-C



2-port sector antenna, 2x 410–512 MHz, 65° HPBW, fixed electrical tilt

- Air dielectric feed system with no screws, rivets, solder, or welding in dipole feed point

General Specifications

Antenna Type	Sector
Band	Single band
Color	Light Gray (RAL 7035)
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Performance Note	Outdoor usage
Radome Material	ABS, UV resistant
Radiator Material	Aluminum
RF Connector Interface	7-16 DIN Female
RF Connector Location	Rear
RF Connector Quantity, low band	2
RF Connector Quantity, total	2

Dimensions

Width	483 mm 19.016 in
Depth	229 mm 9.016 in
Length	1981 mm 77.992 in
Net Weight, without mounting kit	19 kg 41.888 lb

Electrical Specifications

Impedance	50 ohm
Operating Frequency Band	410 – 512 MHz
Polarization	±45°

Electrical Specifications

Frequency Band, MHz	410–512
Gain, dBi	15

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Beamwidth, Horizontal, degrees	65
Beamwidth, Vertical, degrees	17
Beam Tilt, degrees	0
USLS, typical, dB	15
Front-to-Back Ratio at 180°, dB	28
Isolation, Cross Polarization, dB	30
VSWR Return loss, dB	1.4 15.6
Input Power per Port, maximum, watts	600

Mechanical Specifications

Wind Loading @ Velocity, maximum	1,397.6 N @ 150 km/h (314.2 lbf @ 150 km/h)
Wind Speed, maximum	201 km/h (125 mph)

Regulatory Compliance/Certifications

Agency	Classification
CE	Compliant with the relevant CE product directives
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
UK-ROHS	Compliant



Included Products

BSAMNT-3	-	Wide Profile Antenna Downtilt Mounting Kit for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor top bracket set and one bottom bracket set.
BSAMNT-M	-	Middle Downtilt Mounting Kit for Long Antennas for 2.4 - 4.5 in (60 - 115 mm) OD round members. Kit contains one scissor bracket set.

* Footnotes

Performance Note	Severe environmental conditions may degrade optimum performance
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