

# DB654DG65A-C

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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

<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Color</b>	Light Gray (RAL 7035)
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Performance Note</b>	Outdoor usage
<b>Radome Material</b>	ABS, UV resistant
<b>Radiator Material</b>	Aluminum
<b>RF Connector Interface</b>	7-16 DIN Female
<b>RF Connector Location</b>	Rear
<b>RF Connector Quantity, high band</b>	0
<b>RF Connector Quantity, mid band</b>	0
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Quantity, total</b>	2

## Dimensions

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

## Electrical Specifications

<b>Impedance</b>	50 ohm
<b>Operating Frequency Band</b>	410 – 512 MHz
<b>Polarization</b>	±45°

## Electrical Specifications

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<b>Frequency Band, MHz</b>	<b>410-512</b>
<b>Gain, dBi</b>	15
<b>Beamwidth, Horizontal, degrees</b>	65
<b>Beamwidth, Vertical, degrees</b>	17
<b>Beam Tilt, degrees</b>	0
<b>USLS, typical, dB</b>	15
<b>Front-to-Back Ratio at 180°, dB</b>	28
<b>Isolation, Cross Polarization, dB</b>	30
<b>VSWR   Return loss, dB</b>	1.4   15.6
<b>Input Power per Port, maximum, watts</b>	600

## Mechanical Specifications

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

## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
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 <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a>
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

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**Performance Note**

Severe environmental conditions may degrade optimum performance