

# 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

## Electrical Specifications

<b>Frequency Band, MHz</b>	<b>410–512</b>
Gain, dBi	15.0
Beamwidth, Horizontal, degrees	65
Beamwidth, Vertical, degrees	17.0
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
Polarization	±45°
Impedance	50 ohm

## General Specifications

<b>Operating Frequency Band</b>	410 – 512 MHz
<b>Antenna Type</b>	Sector
<b>Band</b>	Single band
<b>Performance Note</b>	Outdoor usage

## Mechanical Specifications

<b>RF Connector Quantity, total</b>	2
<b>RF Connector Quantity, low band</b>	2
<b>RF Connector Interface</b>	7-16 DIN Female
<b>Color</b>	Light gray
<b>Grounding Type</b>	RF connector inner conductor and body grounded to reflector and mounting bracket
<b>Radiator Material</b>	Aluminum
<b>Radome Material</b>	ABS, UV resistant
<b>RF Connector Location</b>	Rear
<b>Wind Loading, maximum</b>	1397.6 N @ 150 km/h 314.2 lbf @ 150 km/h
<b>Wind Speed, maximum</b>	201 km/h   125 mph

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## Dimensions

<b>Length</b>	1981.0 mm   78.0 in
<b>Width</b>	483.0 mm   19.0 in
<b>Depth</b>	229.0 mm   9.0 in
<b>Net Weight, without mounting kit</b>	19.0 kg   41.9 lb

## Regulatory Compliance/Certifications

### Agency

RoHS 2011/65/EU  
ISO 9001:2015  
China RoHS SJ/T 11364-2014  
CE

### Classification

Compliant by Exemption  
Designed, manufactured and/or distributed under this quality management system  
Above Maximum Concentration Value (MCV)  
Compliant with the relevant CE product directives



## Included Products

**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.

**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.

## \* Footnotes

**Performance Note** Severe environmental conditions may degrade optimum performance