



2-port sector antenna, 2x 870–960 MHz, 65° HPBW, fixed electrical tilt

- Air dielectric feed system for maximum array efficiency and lowest loss

OBSOLETE

This product was discontinued on: December 31, 2017

Replaced By

LDX-6516DS-VTM
LDX-6516DS-A1M

2-port sector antenna, 2x 790–960 MHz, 65° HPBW, RET compatible

Electrical Specifications

Frequency Band, MHz	870–960
Gain, dBi	17.8
Beamwidth, Horizontal, degrees	65
Beamwidth, Vertical, degrees	7.0
Beam Tilt, degrees	6
USLS, typical, dB	18
Front-to-Back Ratio at 180°, dB	30
Isolation, Cross Polarization, dB	30
VSWR Return Loss, dB	1.33 17.0
PIM, 3rd Order, 2 x 20 W, dBc	-150
Input Power per Port, maximum, watts	500
Polarization	±45°
Impedance	50 ohm

General Specifications

Operating Frequency Band	870 – 960 MHz
Antenna Type	Sector
Band	Single band
Performance Note	Outdoor usage

Mechanical Specifications

RF Connector Quantity, total	2
RF Connector Quantity, low band	2
RF Connector Interface	7-16 DIN Female

858DG65T6ESY

Color	Light gray
Grounding Type	RF connector inner conductor and body grounded to reflector and mounting bracket
Radiator Material	Aluminum
Radome Material	Fiberglass, UV resistant
RF Connector Location	Bottom
Wind Loading, maximum	1023.1 N @ 100 mph 230.0 lbf @ 100 mph
Wind Speed, maximum	241 km/h 150 mph

Dimensions

Length	2447.0 mm 96.3 in
Width	313.0 mm 12.3 in
Depth	142.0 mm 5.6 in
Net Weight, without mounting kit	15.5 kg 34.2 lb

Regulatory Compliance/Certifications

Agency

RoHS 2011/65/EU

ISO 9001:2015

China RoHS SJ/T 11364-2014

Classification

Compliant by Exemption

Designed, manufactured and/or distributed under this quality management system

Above Maximum Concentration Value (MCV)



Included Products

BSAMNT-1 — 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