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ComAnt Bi-Directional Stacked Broadside Antenna, 440 to 475 MHz, 9dBi, N Female

SKU
ANT-CA-00005
MPN
CA450B4

Description

The ComAnt Bi-Directional Stacked Broadside Antenna (Model: CA450B4) by CompleTech offers robust performance for communication applications within the 440 to 475 MHz frequency range. Delivering a peak gain of 9dBi, this stacked dipole antenna ensures reliable signal strength and coverage, making it ideal for professional use in various VHF, UHF, and SHF-band systems.

Constructed from durable ABS plastic and fibreglass, the antenna meets IP67 standards, providing excellent protection against dust and water, and operates efficiently in temperatures ranging from -40°C to 80°C. Its vertical polarisation and 50 Ω impedance ensure optimal RF performance, characterised by a VSWR of <1.5:1, a 27° elevation beamwidth, and a 71° azimuth beamwidth. The antenna is equipped with a single N Female RF connection on the cable tail.

CompleTech, a Finnish company renowned for its high-quality ComAnt antennas since 1990, utilises modular designs to...

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CompleTech

CompleTech is a Finnish-owned company group specialising in the design, manufacturing and marketing of high quality ComAnt® communications antennas for professionals since 1990.

Radome enclosed IP67 proof ComAnt® antennas are in serial production covering all the main VHF-, UHF- and SHF-bands with different radiation patterns, polarizations and gains. The modularity principle makes it easy to turn ...

RF Specification

Start Frequency
440 MHz
Stop Frequency
475 MHz
Polarisation
Vertical (V)
Input Impedance
50 Ω
RF Connectors

Ports	RF Interface
1	N Female

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR	Azimuth	Elevation	F/B Ratio
440 MHz	475 MHz	9 dBi	< 1.5:1	71°	27°	> 0 dB

Physical Specification

Subtype
Dipole Array
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
1080
Ingress Protection
IP67
Materials
ABS Plastic, Fibreglass (GRP)
Mounting
Pole Clamp 35 to 60 mm ⌀
Weight
3.43 kg
Compliance/Certifications
CE
,
RoHS

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