Powertec Wireless Technology
ABN: 42 082 948 463
PO Box 1034, Ashmore City
Queensland, Australia, 4214
sales@powertec.com.au
1300 769 378

ComAnt Bi-Directional Broadside Antenna, 440 to 475 MHz, 6dBi, N Female

SKU
ANT-CA-00004
MPN
CA450B2

Description

The ComAnt Bi-Directional Broadside Antenna (Model CA450B2) by CompleTech is designed for reliable performance in the 440 to 475 MHz frequency range. With a peak gain of 6 dBi and a VSWR of less than 1.5:1, this dipole antenna offers robust RF performance, making it ideal for various communication applications.

Constructed with durable materials like ABS plastic, fibreglass, and polyurethane, the antenna is housed in a radome that meets IP67 standards, ensuring excellent protection against dust and water ingress. It operates efficiently in extreme temperatures ranging from -40 °C to 80 °C. The antenna features a single N Female RF connection, facilitating straightforward integration into existing systems.

CompleTech, a Finnish company known for its high-quality communication solutions since 1990, manufactures this antenna to comply with CE and RoHS certifications, reflecting its commitment to environmental standards and safety. The...

Read More



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	Body Shape
1	N Female	Straight

Frequency Test Data

Start Freq.	Stop Freq.	Peak Gain	VSWR
440 MHz	475 MHz	6 dBi	< 1.5:1

Physical Specification

Subtype
Dipole
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
390
Ingress Protection
IP67
Materials
ABS Plastic, Fibreglass (GRP), Polyurethane (PUR)
Mounting
Pole Clamp 35 to 60 mm ⌀
Weight
1.59 kg
Compliance/Certifications
CE
,
RoHS

Disclaimer: Although care has been taken to ensure the accuracy, completeness and reliability of the information provided, Powertec assumes no responsibility therefore. The user of the information agrees that the information is subject to change without notice. Powertec assumes no responsibility for the consequences of use of such information, nor for any infringement of third party intellectual property rights which may result from its use. IN NO EVENT SHALL POWERTEC BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, OR INCIDENTAL DAMAGE RESULTING FROM, ARISING OUT OF OR IN CONNECTION WITH THE USE OF THE INFORMATION.

