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# ComAnt Offset Pattern Collinear Antenna, 440 to 475 MHz, 8dBi, N Female

SKU
ANT-CA-00006
MPN
CA450C2

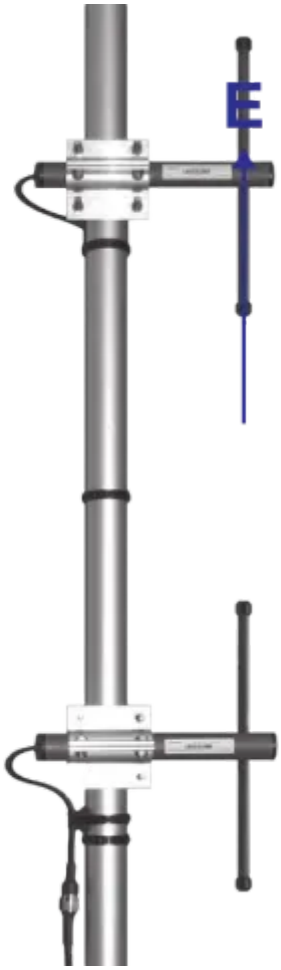
**Description**

The ComAnt Offset Pattern Collinear Antenna (SKU: ANT-CA-00006) from CompleTech is designed for professional communication applications within the 440 to 475 MHz frequency range. With a peak gain of 8dBi and a VSWR of <1.5:1, it ensures reliable signal performance for UHF applications. Featuring a single N Female RF connection, it integrates seamlessly into existing systems.

Constructed from durable ABS plastic, aluminium, and beryllium copper, this antenna is built to withstand challenging environments, certified with an IP67 rating for dust and water resistance. It operates efficiently in temperatures ranging from -40 °C to 80 °C, making it suitable for diverse outdoor installations.

The antenna’s vertical polarisation and wide azimuth beamwidth of 181° provide excellent coverage in various settings. Its modular design allows easy adaptation across different applications, ensuring flexibility for changing needs. CompleTech, a renowned...

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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

## Collinear Antenna

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 | Azimuth | Elevation |
|---|---|---|---|---|---|
| 440 MHz | 475 MHz | 8 dBi | < 1.5:1 | 181° | 27° |

# Physical Specification

Subtype
Collinear
Input Ports
1
MIMO
1x1 SISO
Min. Operating Temperature
-40 °C
Max. Operating Temperature
80 °C
Dimensions
985
Ingress Protection
IP67
Materials
ABS Plastic, Aluminium, Beryllium Copper
Mounting
Pole Clamp 35 to 60 mm ⌀
Weight
1.59 kg
Compliance/Certifications
RoHS

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