

AHO Up-Down Hemispherical Omni Antenna

The AHO antenna is suitable for air-to-ground applications where coverage is required overhead, at the horizon and at all angles in between.

This antenna offers a uniform performance over wide frequency bands, with 2 dBi gain in different operating bands from 2 to 6 GHz.

The polarization is RHCP up/down transitioning to elliptical V polarization on the horizon.

This antenna can be mounted via tapped holes in solid base or through hole flange (compatible with Dart Cross.Tube antenna mount). It is made of aluminium.



Characteristics

AHO-202-2025

Frequency band
2.0 to 2.5 GHz

Gain
2 dBi

Polarization
RHCP / V

Bandwidth
500 MHz

VSWR
1.5:1

Connector
N female

Input impedance
50 Ohm

Size
Ø 80 x138 mm

Temperature range
-20 to +50 °C

Order Information:
AHO-202-2025-SB (Solid base)
AHO-202-2025-HF (Hole Frange)

AHO-202-2227

Frequency band
2.2 to 2.7 GHz

Gain
2 dBi

Polarization
RHCP / V

Bandwidth
500 MHz

VSWR
1.5:1

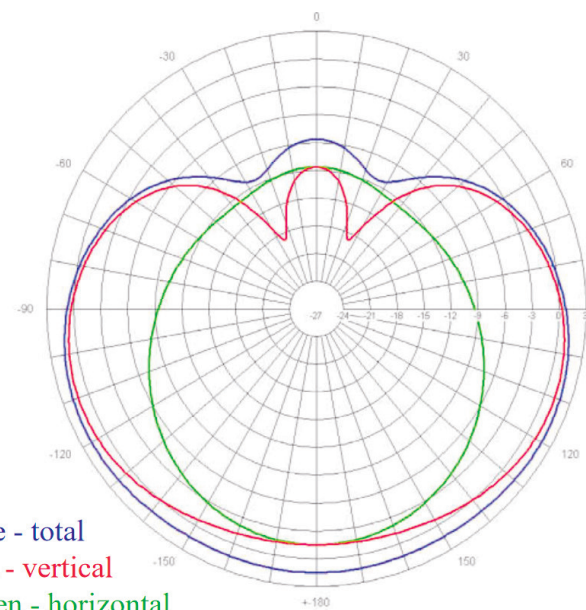
Connector
N female

Input impedance
50 Ohm

Size
Ø 80 x138 mm

Temperature range
-20 to +50 °C

Order Information:
AHO-202-2227-SB (Solid base)
AHO-202-2227-HF (Hole Frange)



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AHO-302-3137

Frequency band
3.1 to 3.7GHz

Gain
2 dBi

Polarization
RHCP / V

Bandwidth
600 MHz

VSWR
1.5:1

Connector
N female

Input impedance
50 Ohm

Size
Ø 54.5 x110 mm

Temperature range
-20 to +50 °C

Order Information:
AHO-302-3137-SB (Solid base)
AHO-302-3137-HF (Hole Frange)

AHO-402-4450

Frequency band
4.4 to 5.0GHz

Gain
2 dBi

Polarization
RHCP / V

Bandwidth
600 MHz

VSWR
1.5:1

Connector
N female

Input impedance
50 Ohm

Size
Ø 39.9 x90 mm

Temperature range
-20 to +50 °C

Order Information:
AHO-402-4450-SB (Solid base)
AHO-402-4450-HF (Hole Frange)

AHO-502-5259

Frequency band
5.2 to 5.9GHz

Gain
2 dBi

Polarization
RHCP / V

Bandwidth
700 MHz

VSWR
1.5:1

Connector
N female

Input impedance
50 Ohm

Size
Ø 33.8 x80 mm

Temperature range
-20 to +50 °C

Order Information:
AHO-502-5259-SB (Solid base)
AHO-502-5259-HF (Hole Frange)

AHO-602-6467

Frequency band
6.4 to 6.7GHz

Gain
2 dBi

Polarization
RHCP / V

Bandwidth
300 MHz

VSWR
1.5:1

Connector
N female

Input impedance
50 Ohm

Size
Ø 29 x73.5 mm

Temperature range
-20 to +50 °C

Order Information:
AHO-602-6467-SB (Solid base)
AHO-602-6467-HF (Hole Frange)