



VHF- GPS combi antenna

Part No. A028
Distributor: Weatherdock AG, Am Weichselgarten 7, 91058 Erlangen, Germany

GPS-Antenna Element:

Center Frequency: 1575.42 MHz +/-1.023 MHz

Polarization: R.H.C.P. (Right Handed Circular Polarization).

Absolute Gain @ Zenith: +5 dBi typical.

Gain @ 10° Elevation: -1 dBi typical.

Axial Ratio: 3 dB max.

Output VSWR: 1.5:1 max.

Output Impedance: 50 ohm

GPS-Low Noise Amplifier:

Center Frequency: 1575.42 Mhz

Gain: 27 dB typically

Bandwidth: 2 MHz min.

Noise Figure: 1.5 max.

Outer Band Attenuation: 12 dB min. @ Fo +/-140 Mhz

Supply Voltages: 4.5~5.5V

Current Consumption: 28mA +/- 3 mA

VSWR: 2.0max.



Output Impedance: 50 ohm

Overall Performance: (antenna element, LNA & coaxial cable)

Center Frequency: 1575.42 Mhz.

Gain: 27 dB typically

Noise Figure: 2.0 max.

Axial Ratio: 3 dB max.

Bandwidth: 2MHz min.

VSWR: 2.0 max.

Output Impedance: 50 ohm

Environmental Conditions:

Operating Temperature: -30° C~ +85° C.

Storage Temperature: -40° C~ +90° C.

Relative Humidity: 95% non-condensing.

Water Resistance: 100% waterproof.