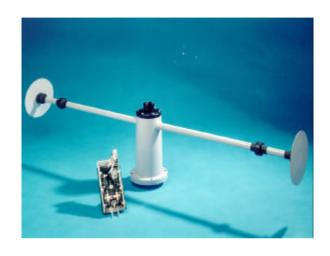
Active Receiving Dipole HE302





Brief description

The excellent characteristics of active receiving antennas are a result of carefully matching the passive antenna structure to the active circuitry.

- Extremely small dimensions
- High sensitivity despite its small size
- Wide frequency range
- Just one active antenna replaces several passive antennas
- High immunity to non-linear distortion (same as passive antenna with high-grade preamplifier)
- High immunity to nearby lightning strikes
- Low weight
- Shock- and vibration-resistant (MIL-STD-810C)

Specifications

Frequency range 20 to 500 MHz Polarization linear Nominal impedance 50 Ω VSWR <2.5

Electronic gain

Practical gain

Or +10 dBi

Directivity

Antenna factor

Noise figure

-11 to +8 dB

-9 to +10 dBi

2 dB average

0 to 14 dB

20 MHz 28 dB 500 MHz 9 dB

Field sensitivity ($\Delta f = 1 \text{ kHz}$)

 $\begin{array}{ccc} 20 \text{ MHz} & -15 \text{ dB}(\mu\text{V/m}) \\ 500 \text{ MHz} & -6 \text{ dB}(\mu\text{V/m}) \\ \text{Intercept point} \end{array}$

2nd order >60 dBm 3rd order >30 dBm Power supply via RF cable;

18 to 30 V DC (170 mA)

Weight 2.5 kg

Recommended extras

Power Supply Unit IN115 Mast Adapter HE202Z1 RF Cable HE202Z2