

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	-11 to +8 dB
Practical gain	-9 to +10 dBi
Directivity	2 dB average
Antenna factor	0 to 14 dB
Noise figure	
20 MHz	28 dB
500 MHz	9 dB
Field sensitivity ($\Delta f = 1$ kHz)	
20 MHz	-15 dB(μ V/m)
500 MHz	-6 dB(μ V/m)
Intercept point	
2nd order	>60 dBm
3rd order	>30 dBm
Power supply	via RF cable; 18 to 30 V DC (170 mA)
Connector	N female
Max. wind speed	180 km/h
Operating temperature	-40 to +70°C
Dimensions (L x H)	1 m x 240 mm
Weight	2.5 kg

Recommended extras

Power Supply Unit IN115
Mast Adapter HE202Z1
RF Cable HE202Z2