

Active Wideband VHF/UHF/SHF Monitoring Antenna

WBM5600M

The WBM5600M is an active wideband antenna with high input power tolerance for receive only applications such as spectrum monitoring within the 50 – 6000 MHz frequency range.

- High input power tolerance
- Built-in Low Noise Amplifier (LNA) with low noise figure
- Small size and robust mechanical design



Product details*	
Frequency range	50 – 6000 MHz (on a ground plane $\geq 1 \times 1 \text{ m}^2$)
Polarization	Nominally vertical
Radiation pattern	Omnidirectional
Gain	-4 to 24 dB **
Noise Figure (typical)	1.0 to 3.4 dB
Nominal Impedance	50 Ω
P1dB (typical)	21.5 dBm
OIP3 (typical)	34 dBm
Max. Input Power	2W (33 dBm)
LNA power supply (fed through signal cable)	12-24 VDC, 70 mA
Standard color	Black
Height	220 mm
Width	150 mm
Weight	2.3 kg

Installation*	
RF connection	Female N-type
Mounting	4 x M10 female threads in a 114.3 mm diameter circular pattern on the bottom side of the antenna

*Specific adjustments on request

Order number	NSN	Product
WBM5600M	5985 - 58 - 000 - 8336	Antenna as described above
WB225M	5985 - 58 - 000 - 5333	Antenna without LNA module (passive). See monitoring performance on Page 2** and other details from the WB225M data sheet.

** More information on request