



ANTENNA EXPERTS

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Model # HFLW-230

1.5 – 30 MHz.

Unity Gain

[HF Broadband Long Wire Antenna](#)

DESIGN FEATURES: The HFLW-230 Broad Band Long Wire Antenna offer optimum performance, fully automatic, low SWR operation over the entire HF band 1.5 – 30 MHz and suitable for transmitting, receiving or HF spectrum monitoring or surveillance. The HF broadband long wire antenna propagates NVIS, local, medium or long distance. This HF broadband dipole antenna is ready to go right out of the box, no taps to change frequency, nothing to tune - ever! Designed for the military and built to last. The HFLW-230 can work any frequency you want without going through a lot of knob twirling and measurements to get a good VSWR match - just set your frequency and go!

CONSTRUCTIONS: Designed for the military and built to last. No Antenna Tuning Unit (ATU) is required for its operation. HF long wire antenna matching circuit BALUN is part of antenna. No active circuit is involved to design hf long wire antenna. The HF long wire antenna is fully passive thus ensuring many years of maintenance free life. The HF Broad Band Long Wire Antenna provides optimum performance over complete HF band, eliminating the requirement of multiple antennas, minimizing the cost and setup requirements. The HFLW-230 long wire broadband antenna is designed for broad band operation for fixed stations application as well as tactical application. The radiating element of long wire antenna is either made of high quality copper wires with insulator or type 303 marine grade stainless steel wire which are ultra corrosion resistant alloy to ensure the survivability in worst environment conditions.

[ELECTRICAL SPECIFICATIONS:](#)

Frequency Range	1.5 - 30 MHz.
Gain - Typical	Unity
Bandwidth	Full 1.5 to 30 MHz without ATU
Polarization	Horizontal, Inverted V, Inverted L, Sloper
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
VSWR – Less Than	2.5 : 1 without ATU
RF Power Handling Capacity	250 Watts. PEP
Input Termination	N-Female
Lightning Protection	Direct Ground

[MECHANICAL SPECIFICATIONS:](#)

Net Weight	4 Kgs.
Wind Rating	200 Km/Hr.
Balun Base Diameter	65 mm (Balun)
Base Material	Nylon (Balun)
Shipping Box Size	0.30 x 0.15 x 0.15 Meter
Radiating Element Materials	Twisted Copper with Insulator
Radiating Element Diameter	6 mm
Insulator Materials	Nylon

Full technical & environmental specification including VSWR curve, installation diagram, dimensional details, key feature and many more are available for registered user. Please contact us for these information.

Note: All information contained in the datasheet is subject to change without any prior notice.

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