



ANTENNA EXPERTS

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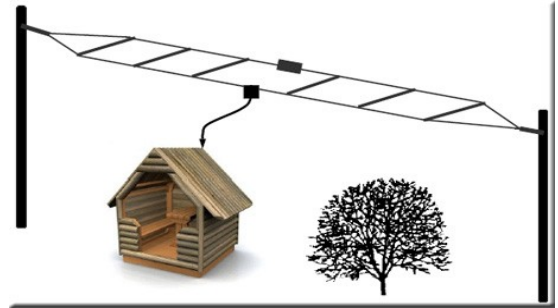
Model # HF-2-30

Frequency 1.5 – 30 MHz.

Unity Gain

HF BROADBAND OMNI-DIRECTIONAL DIPOLE ANTENNA

DESIGN FEATURES: The HF-2-30 Broad Band Folded Dipole 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 dipole 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 HF-2-30 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: The HF broadband antenna is designed by using two folded arms with a matching Balun. The HF broadband dipole antenna can be mounted either in an inverted "V" using a single mast, or in a standard dipole configuration (Horizontal Polarized) using two masts. The HF Broad Band Dipole Antenna provides optimum performance over complete HF band, eliminating the requirement of multiple antennas or an Antenna Tuning Unit.

ELECTRICAL SPECIFICATIONS:

Frequency Range	1.5 - 30 MHz.
Gain	Unity
Bandwidth	Full 1.5 to 30 MHz.
Polarization	Horizontal or Inverted "V"
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
VSWR	2 : 1
RF Power Handling Capacity	500 Watts.
Input Termination	N-Female
Lightning Protection	Direct Ground

MECHANICAL SPECIFICATIONS:

Net Weight	4 Kgs. (antenna only)
Wind Rating	160 Km/Hr.
Balun Base Diameter	65 mm (Balun)
Base Material	Nylon (Balun)
Overall Length	23 Meters.
Shipping Box Size	0.60 x 0.15 x 0.15 Meter
Dipole Materials	Twisted Copper with Insulator
Spreaders Materials	PVC Pipe
Insulator Materials	Nylon
Recommended Mast Height	9 Meters (30 Feet)
Distance between Mast	25 Meters

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	(-)25 to +65 Degrees Celsius
Storage Temperature	(-)40 to +75 Degrees Celsius
Humidity	0 to 95% RH

VSWR Vs FREQUENCY CURVE OF HF BROADBAND DIPOLE ANTENNA MODEL # HF-2-30

