



3-30MHz Dipole Broadband Horizontal Antenna 1kW PEP 02-00040-04

AT A GLANCE

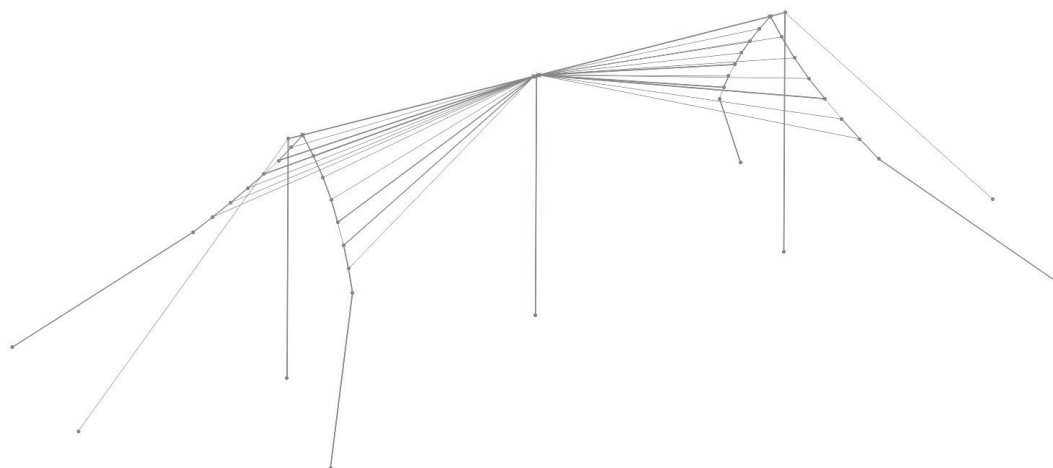
3 to 30MHz

1kW PEP

No ATU required

Robust Construction

VSWR below 2:1 over
93% of the HF band



The **Lencom®** 02-00040-04 Dipole Broadband Horizontal antenna has been designed for fixed station, multi-frequency operation, and covers the entire frequency range of 3-30MHz with a power rating of 1kW PEP.

The semi-conical nature of the radiating elements provides improved efficiency over the entire HF spectrum.

The antenna displays the normal, omnidirectional radiation pattern of a dipole, allowing for all round communication.

The maximum VSWR is 2.5:1 and the VSWR is less than 2:1 over 93% of the band.

No antenna tuner is required.

The antenna is mounted horizontally between two masts, 39.5m apart.

The antenna elements are constructed of stranded stainless steel wire rope for long life and resistance to kinking and the main support wire is constructed from galvanised steel for strength.

Lencom can provide aluminium masts suitable for the 02-00040-04.



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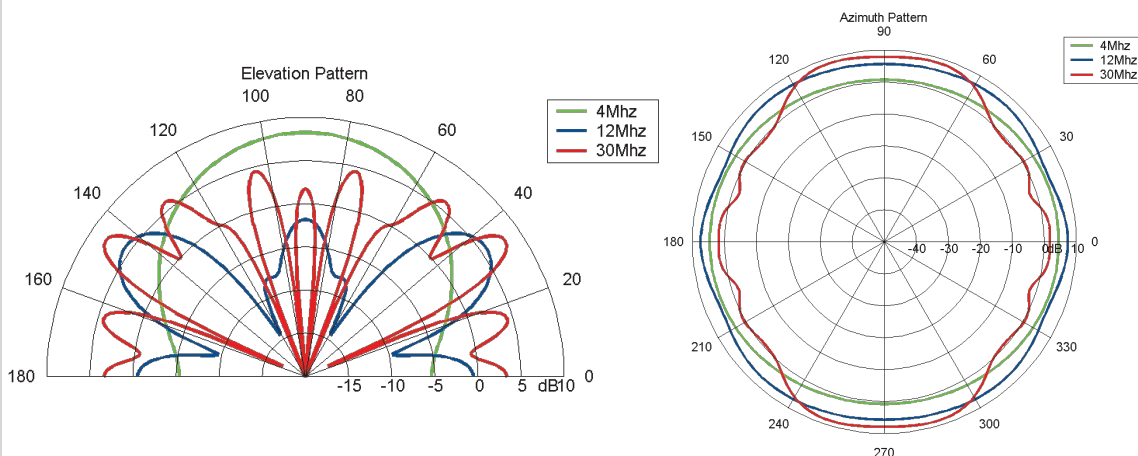
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93% of the HF band

Specifications

Frequency range	3-30MHz
Power rating	1kW PEP
Input impedance	50Ω
VSWR over range	Generally <2:1
Isotropic Gain	8db _i
Radiation pattern	Refer radiation plot
RF connector type	N socket
Wind rating	160km/h
Mounting hardware	Lifting Rope and attaching hardware supplied

Mast information

Mast height	15m
Mastbase to Mastbase	39.5m
Overall Length (including backstays)	73m



Radiation patterns

Modelled above perfect earth; Azimuth slice taken at an elevation of 35degrees from horizon;
Elevation slice taken at an azimuth angle of 90degrees from broadside

Available Accessories:

[Masts: 15m](#)

[Earthing kit](#)

Coaxial cables

[Lightning arrester](#)

Specifications subject to change without notice

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ISO 9001:2008