



HF Half-Delta Antenna

400W PEP LB018

1kW PEP 02-2154

AT A GLANCE

2 to 14MHz continuous

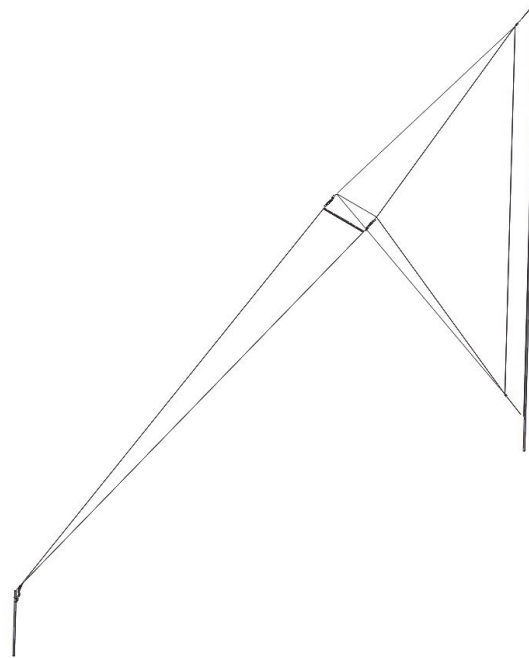
No ATU required

Omnidirectional

Near Vertical Incidence
Skywave (NVIS)
radiation for short to
medium distance
coverage

Rugged construction

1kW and 400W versions



The **Lencom®** Broadband Delta Antennas cover the complete range of 2–14MHz.

The LB018 is rated to 400W PEP (240W average), and the 02-2154 is rated to 1kW PEP (600W Average). They share the same dimensions.

Lencom deltas are designed for short to medium distance fixed station multi-frequency operation, and exhibit an essentially omnidirectional, Near Vertical Incidence Skywave (NVIS) radiation pattern.

They are fed at the lower end via a balun with a UHF (400W) or N connector (1kW), and a travelling wave is generated in the antenna element.

They require no Antenna Tuning Unit, and will typically exhibit a VSWR of 2:1 or better over the whole frequency range.

They are installed on a 15m mast.
Suitable masts are available from Lencom.
Masts include all installation hardware.
Refer to "Available Accessories" on Page 2.

All materials used in these antennas are chosen for a long trouble-free life.

The radiating elements are constructed of stainless steel wire rope





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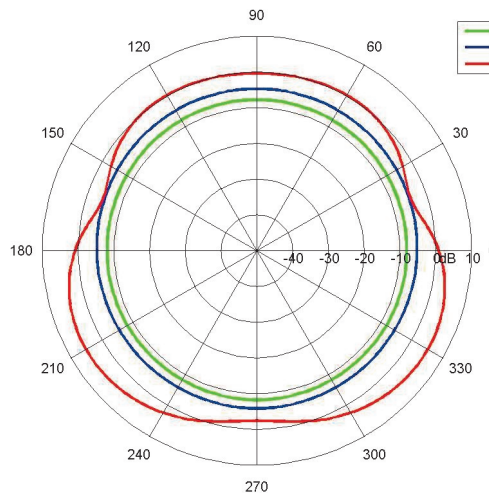
Specifications

Electrical

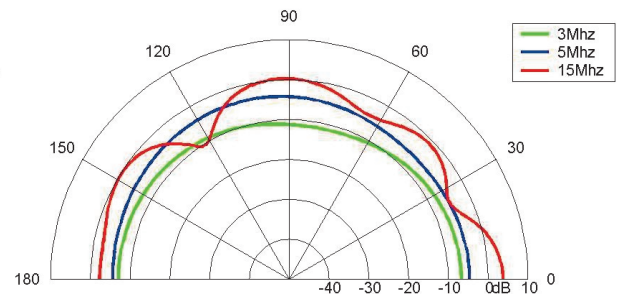
Frequency Range	2 to 14MHz	
Power rating	LB018	400W PEP/240W Average
	02-2154	1kW PEP/600W Average
Nominal impedance	50Ω	
VSWR	Generally <2:1	
Radiation Pattern	Azimuth	Essentially omnidirectional
	Elevation	NVIS

Mechanical

Antenna width	20m	
Mast guy radius	14.5m (15m mast)	
Mast height	15m	
Wind rating (Mast and antenna)	160km/hr, no ice	
Packaged details	Packed weight	8kg (400W), 11kg (1kW)
	Packed dimensions (excludes mast)	880mm x 340mm x 100mm



Azimuth



Elevation at 90°

Ordering Details

Description	Part number
Delta antenna, 400W PEP	LB018
Delta antenna, 1kW PEP	02-2154-001

Available Accessories

Description	Part number
15m mast, including accessories	LA007

Specifications subject to change without notice

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ISO 9001:2000