



SMC

Communications Solutions
www.smc-comms.com

Portable Dipole Antenna LW Series

The SMC LW Series of HF portable antennas have proved to be reliable in the field of operation and yet can be used in most situations with a high degree of success.

These qualities have ensured its success in a wide range of applications from the Antarctic to the Tropics.

Since its original design, SMC has endeavoured to improve the basic unit taking advantage of the wide range of improved materials now available.

SMC has a range of purpose designed masts for use with this antenna. Details are available on request.



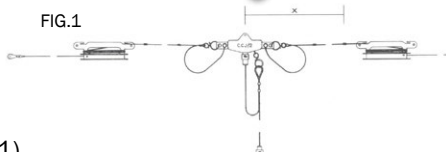
Mechanical Specs (Antenna Elements)	
Specs	Information
LW8 / A	PVC covered terylene interwoven with plaited copper braid
LW8 / K	PVC covered kevlar braid with plaited copper wire
Centre junction	Type SMC CCJ/2 carbon loaded ultra-violet resistant moulding
Metal fittings	Stainless steel or brass
Kit bag	Optional, available in a wide range of colours and sizes.

Electrical Specs	
Specs	Information
Frequency range	3 - 30 MHz or 2 - 30 MHz with ATU as a long wire antenna
Power rating	Rx - 500w average
Polarisation	Horizontal
VSWR	2:1 maximum at 50 ohms
Input impedance	50 - 75 ohms
Input connector	BNC or UHF to order

**The kit bag is not included. There are a wide variety of colours and sizes available. Please speak to one of our sales representatives for more information about this item.*

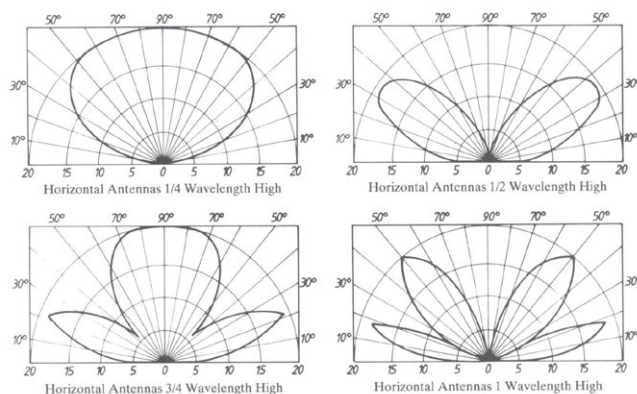
Technical Specification - LW Series

FIG.1



Frequency Markers (REF FIG.1)

Frequency		Length 'x'		Frequency		Length	
MHz	ft	m		MHz	ft	m	
3.0	76	23.1		8	26	7.9	
3.5	64	19.4		9	23	6.9	
4.0	56	16.9		10	20	6.2	
4.5	49	14.9		12	16.5	5.0	
5.0	44	13.4		14	14	4.3	
5.5	41	12.4		16	12	3.7	
6.0	36	10.8		18	10	3.1	
6.5	33	10.0		22	8	2.4	
7.0	30	9.3		26	6.5	2.0	
7.5	28	8.5		30	5	1.4	



Effect of the ground on the deviation plane patterns of a horizontal antenna. SMC reserves the right to change specifications without prior notice

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