

UHF VERTICAL PAIR ARRAY MODEL:

- WL 14-69/VP

This array has been engineered for maximum gain with narrow vertical beam width to reduce the effects of interference such as multipath. Where fixed sources of noise exist it may be possible to improve the signal to interference ratio with a custom designed array.

ELECTRICAL SPECIFICATIONS:

MODEL(S)	WL-14-69/VP
Frequency Range (MHz)	470 - 806 MHz
Channels	14 To 69
Gain	14 dBi
Impedance	75 Ohm
VSWR	<1.3:1
FR:BK Ratio	>25 dB
Polarization	H or V
H. Beam Width	46 deg
V. Beam Width	22 deg
Side lobe Suppression	>30 dB
Connectors	"F" Connector
Std. Mount	1/2" U-bolts to fit 2-1/2" O.D. Pipe

- Where interfering signals such as co-channel, adjacent channel and ghosting are present, custom arrays can be designed to reduce the level of interference by as much as 40 db in most cases.

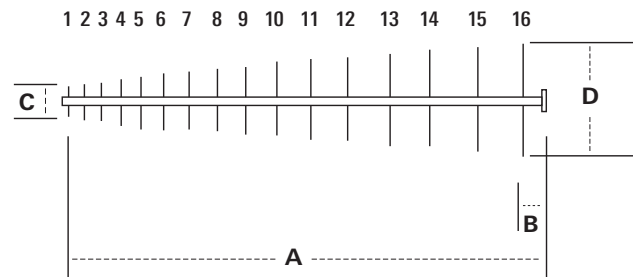
MECHANICAL SPECIFICATIONS:

MODEL(S)	WL-14-69/VP
Boom length	45.25"
Weight (lbs):	
No ice	31
1" radial ice	100
Wind load (lbs):	
No ice*	48
1" radial ice**	34
Wind torque (ft-lbs):	
No ice*	87
1" radial ice**	57
Wind load area (sq.ft.)	
No Ice	1.3
1" Radial Ice	3.0

* WIND SPEED - 100 M.P.H. ** HALF WIND SPEED - 50 M.P.H.

OVERALL DIMENSIONS

MODEL(S)	WL-14-69/VP
Number of Elements	16
Boom Length (A)	45.25"
Boom Length (B)	2.675"
Shortest Length (C)	3.675"
Longest Element (D)	11"



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