



886-70-DFDT9INV

The 886-70-DFDT9INV VHF Exposed Inverted Dipole Array is available in 4 sets of 2 dipoles configuration. This antenna is dual dipole array of two stacked 882-70 antennas. All our antennas can be completely customized to your applications. Our antennas can be black anodized and heavy-duty versions are available. Please contact our Technical Support team. This datasheet is the 9-degree downtilt version.

- Each antenna is field-adjustable for omni or bidirectional pattern.

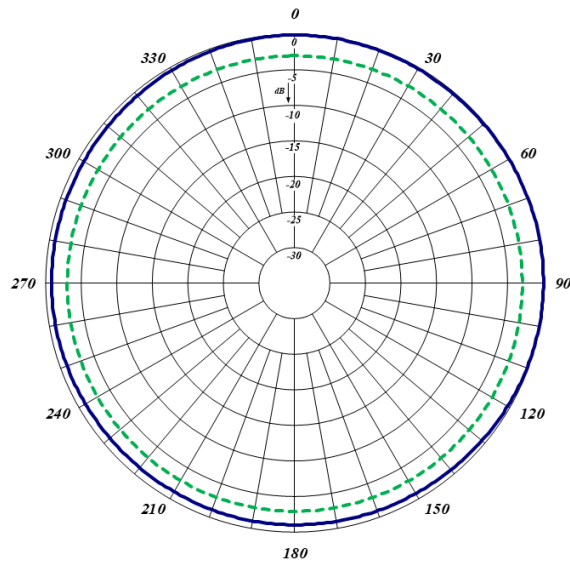
Electrical Specifications	886-70-DFDT9INV
Frequency Range, MHz	138-174
Nominal Gain, dBd	3.0/5.5
Number of Dipoles	4 sets of 2
Bandwidth 1.5:1 VSWR, MHz	36
Isolation, dB	30
Electrical Downtilt (°)	9 Degrees
Polarization	Vertical
Pattern	Omni or Bidirectional
Power Rating, Watts	450
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Standard Termination	Type DIN Female, other connectors available upon request
Mechanical Specifications	886-70-DFDT9INV
Length, in (mm)	246 (6248)
Width, in (mm)	30 (762)
Weight, lbs. (kg)	80 (36)
Rated Wind Velocity, No Ice, mph (km/h)	110 (177)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	80 (129)
Lateral Thrust @ 100 mph, wind, lbf (N)	236 (1050)
Bending Moment @ top clamp: 100 mph, lb*ft. (N*m)	1264 (1714)
Projected Area, ft ² (m ²)	8.7 (0.81)
Mounting Information: Mast O.D. (mm)	2.9" (73)



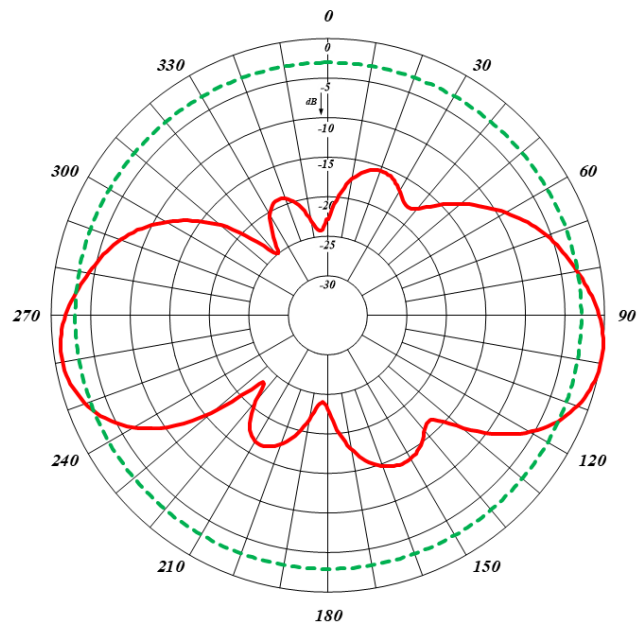
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Horizontal Pattern



Vertical pattern

886-70-DFDT9INV-omni