

VHF EXPOSED DIPOLE ARRAY

138-174 MHz



886-70-DFDT6

The 886-70-DFDT6 VHF Exposed 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 6-degree downtilt version.

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

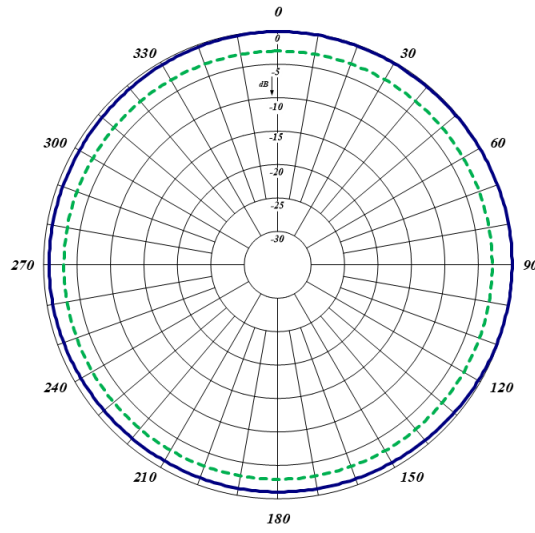
Electrical Specifications	886-70-DFDT6
Frequency Range, MHz	138-174
Nominal Gain, dBd	3.0/5.5
Number of Dipoles	4 sets of 2
Bandwidth 1.5:1 VSWR, MHz	36
Isolation, dB	30
Electrical Downtilt (°)	6 Degrees
Polarization	Vertical
Pattern	Omni or Bidirectional
Power Rating, Watts	450
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Standard Termination	Type DIN 7/16 Female, other connectors available upon request
Mechanical Specifications	886-70-DFDT6
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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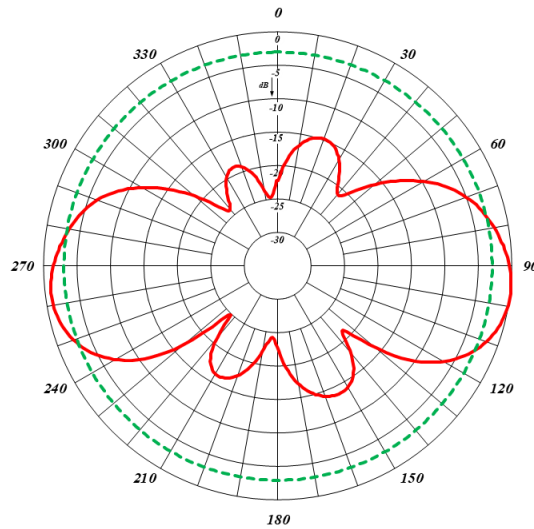
886-70-DFDT6-omni



Horizontal Pattern



886-70-DFDT6-omni



Vertical Pattern

