

860 Series 160/220MHz Exposed Dipoles

The 866F-70SM-40 is a dual band multicoupling antenna design-system. It has a configuration of two sets of two Dipoles each capable of working in the VHF band as well as the 220MHz band. The isolation between the sets of antennas is 40 dB. This antenna has a rugged design to withstand harsh environmental conditions.

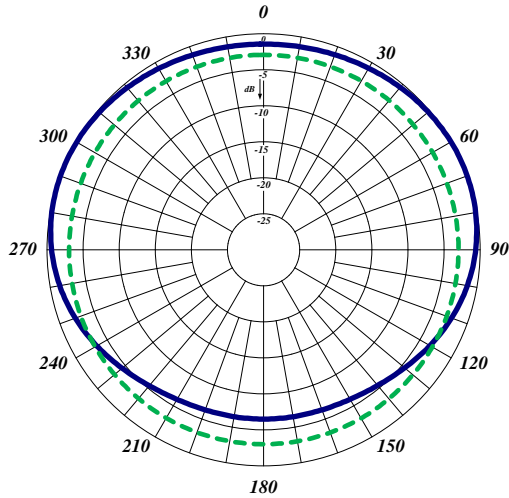
- DC Ground Lightning protection
- Please contact our Technical Support team for consultation.

Electrical Specifications	866F-70SM-40
Frequency Range, MHz	155-165 & 215-225
Nominal Gain, dBd	5.0-5.5
Number of Dipoles	2 sets of 2
Bandwidth 1.5:1 VSWR, MHz	10
Isolation, dB	40
Polarization	Vertical
Pattern	Offset
Power Rating, Watts	300
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Standard Termination	Type N Male
Mechanical Specifications	866F-70SM-40
Length, in (mm)	240 (6096)
Width (1/2 Wave Spacing), in (mm)	36 (914)
Weight, lbs. (kg)	55 (25)
Rated Wind Velocity, No Ice, mph (km/h)	155 (249)
Rated Wind Velocity, 0.5" (13mm) ice, mph	125 (201)
Lateral Thrust @ 100 mph wind, lbs. (kg)	172 (78)
Projected Area, ft ² (m ²)	5.8 (0.54)
Mounting Information Mast O.D. (mm)	2.88" (73)

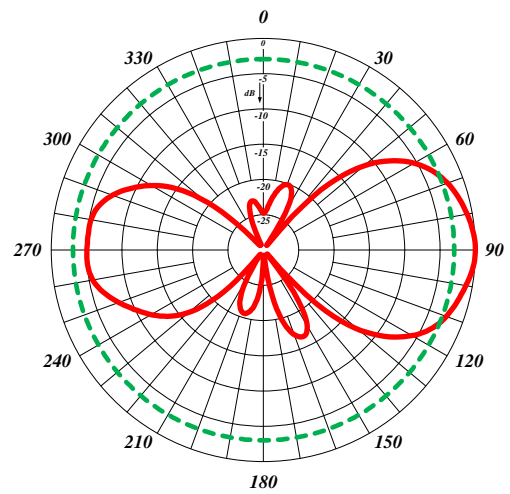




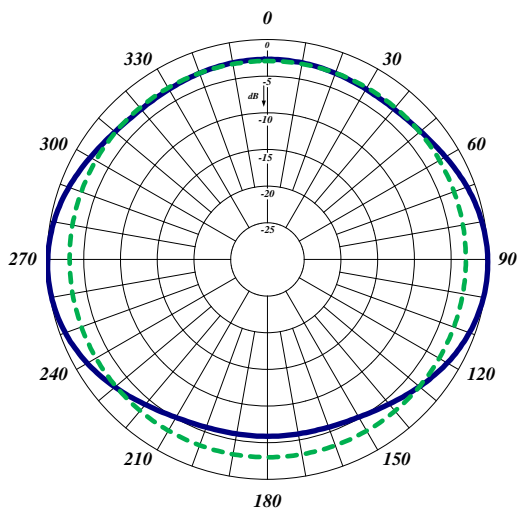
Horizontal Pattern (160MHz at top)



Vertical Pattern (160MHz at top)



Horizontal Pattern (220MHz at bottom)



Vertical Pattern (220MHz at bottom)

