

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.

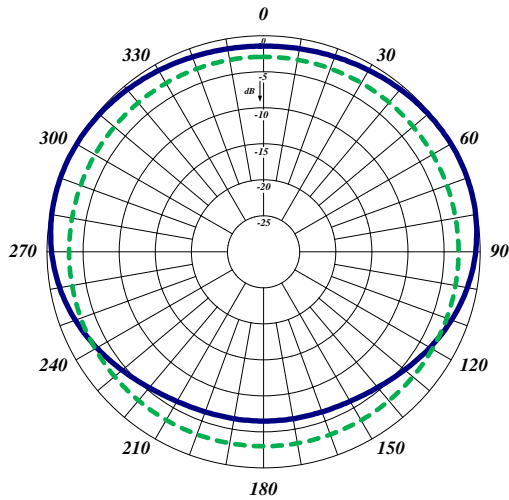
- DC Ground Lightning protection
- Please contact our Technical Support team for consultation.

| 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) |

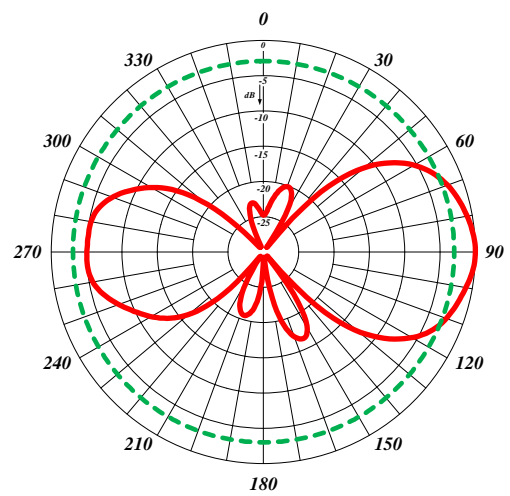




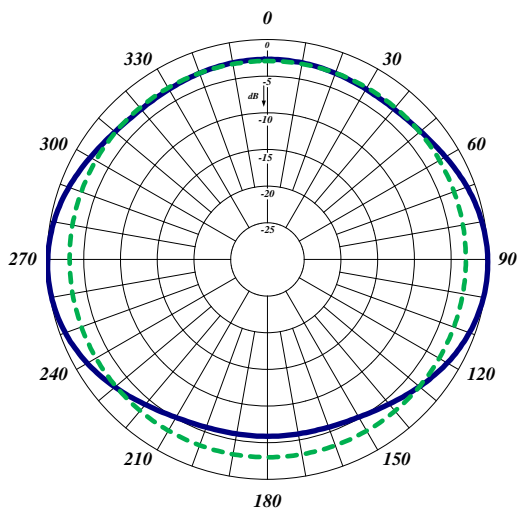
Horizontal Pattern (160MHz)



Vertical Pattern (160MHz)



Horizontal Pattern (220MHz)



Vertical Pattern (220MHz)

