

UHF EXPOSED DIPOLES

138-174 MHz



870 Super Duty Series UHF Exposed Dipole

The 870 Super Duty Series UHF Exposed Dipoles are available in 1, 2, 4 dipole configurations. All our antennas can be completely customized to your particular applications. Our antennas can be black anodized, adjustable, or fixed, side or top mount, and heavy-duty versions are available.

- Each antenna is offered in a 1/2, 1/4 or 3/8 wave spacing versions.
- The 870F-70-SD has internal cabling and fixed dipole-mast spacing.
- This antenna is available in Low-PIM (-150 dBc; two 20W carriers).

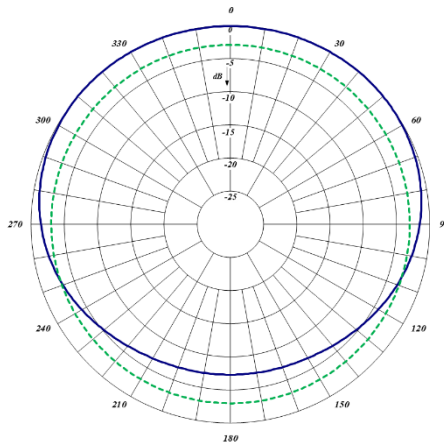
Electrical Specifications	872F-70-SD-1/2
Frequency Range, MHz	138-174
Nominal Gain, dBd	5.0-5.5
Number of Dipoles	2
Bandwidth 1.5:1 VSWR, MHz	36
Polarization	Vertical
Pattern	Bidirectional
Power Rating, Watts	450
Lightning Protection	DC Ground
Nominal Impedance, Ohms	50
Standard Termination	Type N Male for standard version – DIN 7/16 or 4.3/10 for Low-PIM version
Mechanical Specifications	872F-70-SD-1/2
Length, in (mm)	126 (3200)
Width (1/2 Wave Spacing), in (mm)	38 (965.2)
Weight, lbs. (kg)	42 (19)
Rated Wind Velocity, No Ice, mph (km/h)	200 (322)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	100 (161)
Lateral Thrust @ 100 mph, wind, lbs. (kg)	393 (1748.15)
Bending Moment @ top clamp: 100 mph, ft.*lb (kg*m)	2,646 (3587.49)
Projected Area, ft ² (m ²)	3.5" (88.9)
Mounting Information Mast O.D. (mm)	4.0 (1.02)



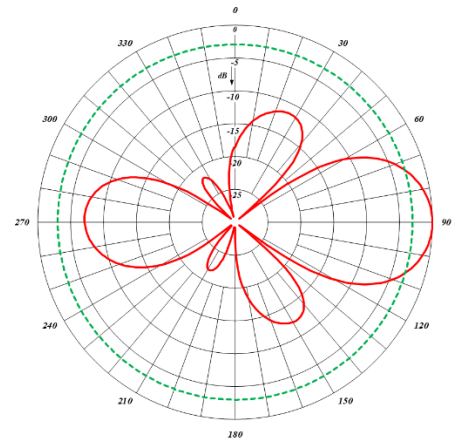
872F-70-SD-1/2



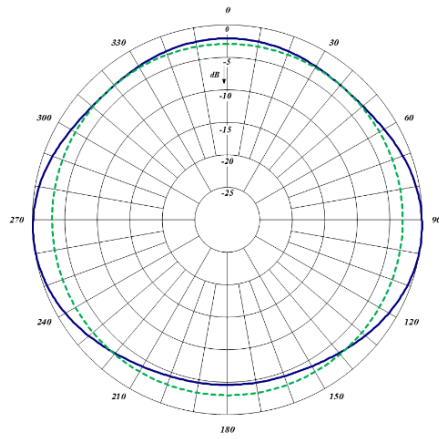
872F-70-SD-1/2



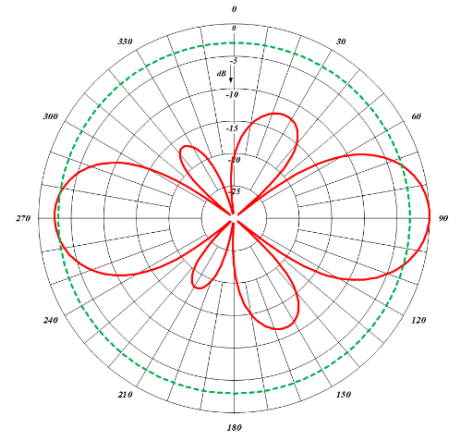
Quarter-wave Spacing Horizontal



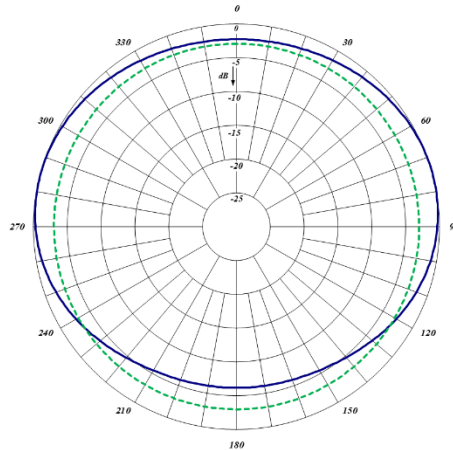
Quarter-wave Spacing Vertical



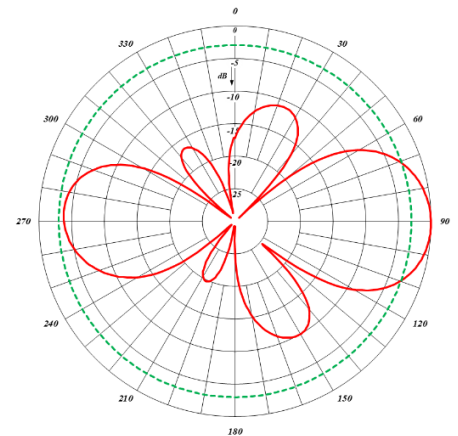
Half-wave Spacing Horizontal



Half-wave Spacing Vertical



3/8-wave Spacing Horizontal



3/8-wave Spacing Vertical