

### 893-70-HDB-TM Dual Exposed Dipole Antenna

The 893-70-HDB-TM Dual Exposed Dipole Antenna is composed of a 2 dipoles antenna (872F-70) with a VHF frequency range and another one with 4 dipoles (774F-70) that offers a UHF frequency. All our antennas can be completely customized to your particular applications. Our antennas can be black anodized, adjustable, or fixed, side mount or top mount, and heavy-duty versions are available. This is the black anodized and heavy-duty version.

- Each antenna is offered in a 1/4, 3/8 or 1/2 wave spacing versions.
- The 893-70-HDB-TM antenna has internal cabling and fixed dipole-mast spacing.
- Please contact our Technical Support team for consultation.

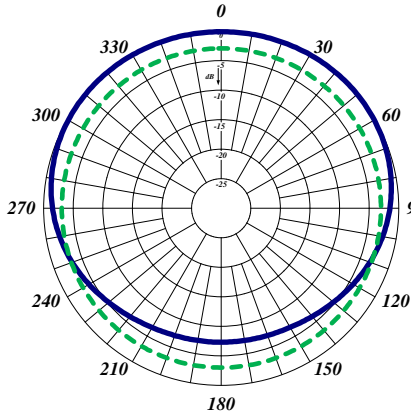
Electrical Specifications	872F-70-HDB	774F-70-HDB
Frequency Range, MHz	138-174	406-512
Nominal Gain, dBd	5.0-5.5	8.0-8.5
Number of Dipoles	2	4
Bandwidth 1.5:1 VSWR, MHz	36	106
Polarization	Vertical	Vertical
Pattern	Offset / Bi	Offset / Bi
Power Rating, Watts	300	300
Nominal Impedance, Ohms	50	50
Lightning Protection	DC Ground	DC Ground
Standard Termination	Type N Male	Type N Male
Mechanical Specifications	893-70-HDB-TM	
Length, in (mm)	216 (5486)	
Width (1/2 Wave Spacing), in. (mm)	42 (1067)	
Weight, lbs. (kg)	81 (36.4)	
Rated Wind Velocity, No Ice, mph (km/h)	140 (225)	
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	110 (177)	
Lateral Thrust @ 100 mph, wind, lbs. (N)	184 (819)	
Bending Moment @ top clamp: 100 mph, ft.*lb (N*m)	1044 (1415)	
Projected Area, ft <sup>2</sup> (m <sup>2</sup> )	6.93 (0.64)	
Mounting Information Mast O.D., in. (mm)	2.9 (73)	



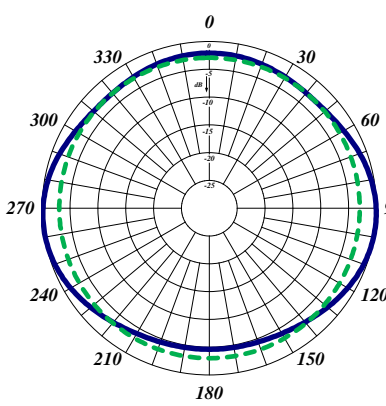
893-70-HDB-TM



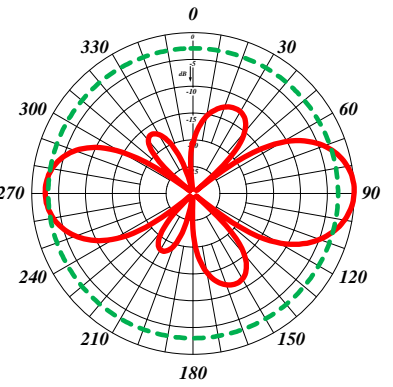
872F-70



Quarter-wave Spacing Horizontal



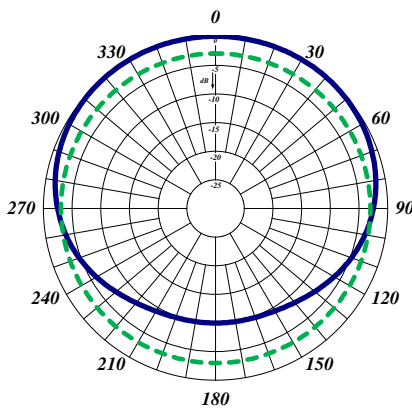
Half-wave Spacing Horizontal



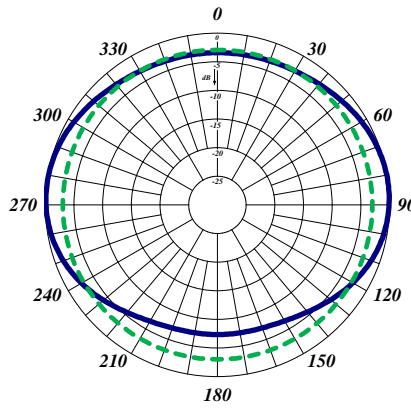
Half-wave Spacing Vertical



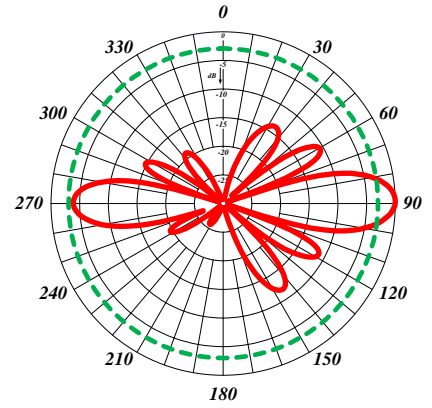
774-70



Quarter-wave Spacing Horizontal



Half-wave Spacing Horizontal



Half-wave Spacing Vertical