

## 220MHz DUAL EXPOSED DIPOLE



215-225 MHz

### (2)871F702HBSP4DF1/2

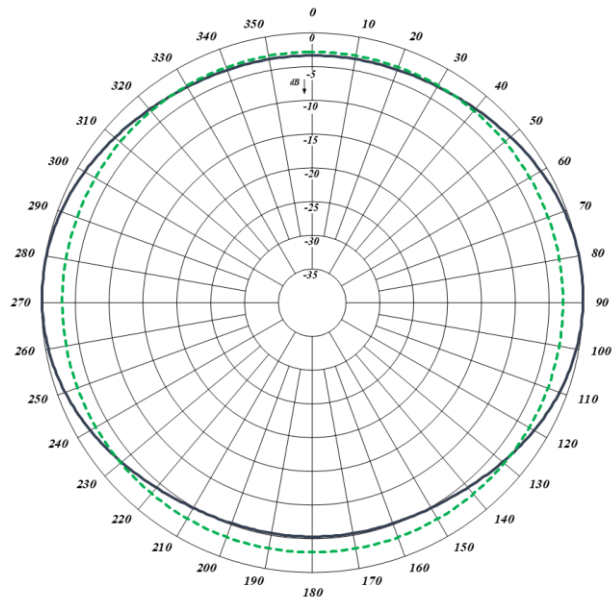
The (2)871F702HBSP4DF1/2 is a Wide Band, Welded, Heavy Duty, Black Anodized, Low PIM dual antenna designed for multicoupled systems. Our antennas can be adjustable, or fixed, side mount or top mount. This antenna has internal cabling and is not field adjustable, it is configured for side mount.

- The (2)871F702HBSP4DF1/2 has internal cabling and fixed dipole-mast spacing.
- This antenna is 1/2 wave length spacing offering bi-directional radiation pattern.
- This antenna is available in Low-PIM (-150 dBc; two 20W carriers).

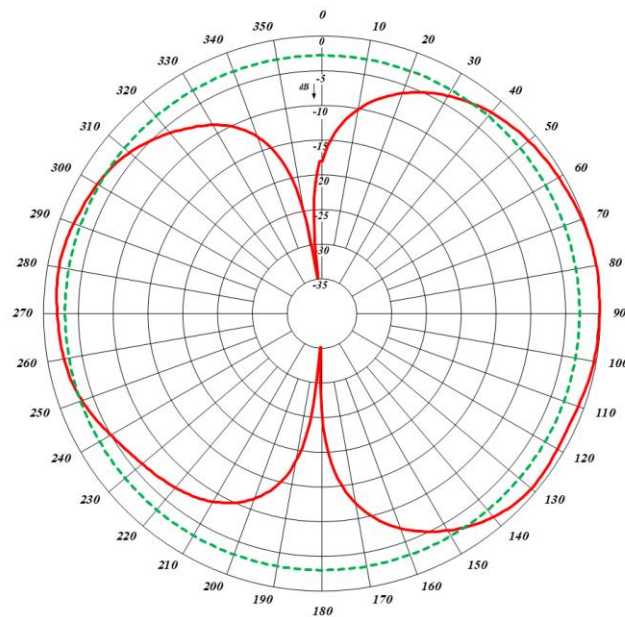
Electrical Specifications	(2)871F702HBSP4DF1/2
Frequency Range, MHz	215-225
Nominal Gain, dBd	2.0-2.5
Number of Dipoles	2
Isolation, dB	40
Bandwidth 1.5:1 VSWR, MHz	10
Polarization	Vertical
Pattern	Bi-directional
Power Rating, Watts	200
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
PIM	150 dBc; 2 x 20W carriers
Standard Termination	Dual Feed Terminating in Type 7/16 DIN Female
Mechanical Specifications	(2)871F702HBSP4DF1/2
Length, in (mm)	150 (3810)
Width (1/2 Wave Spacing), in (mm)	34 (864)
Weight, lbs. (kg)	30 (13,6)
Rated Wind Velocity, No Ice, mph (km/h)	150 (241)
Rated Wind Velocity, 0.5" (13mm) ice, mph	130 (209)
Lateral Thrust @ 100 mph, wind, lbs. (kg)	98 (436,4)
Bending Moment @ top clamp: 100 mph, ft.*lb	299 (406)
Projected Area, ft <sup>2</sup> (m <sup>2</sup> )	3,8 (0.35)
Mounting Information Mast O.D. (mm)	2.4" (61)
Space between clamp, in (mm)	24" (610)



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Half-wave Spacing Horizontal



Half-wave Spacing Vertical