

### 870 Series VHF Exposed Dipoles with Reflectors

The F-37XX Series antennas are our 870 Series VHF Exposed Dipoles with Reflectors. They are available in 1, 2, 4 dipole configurations. All of our antennas can be completely customized to your applications. Our antennas can be black anodized, fully welded, side mount or top mount, and heavy duty versions are available.

The Reflectors provide a higher degree of directivity. This product is ideal for state or country borders. We have seen great success with being able to shape the RF patterns in the 870 series antenna line.

- Each antenna is configured as a 3/8 wave version.
- The reflectors provide more directivity and greater front-to-back ratios.
- These exposed dipoles have internal cabling and fixed dipole- mast spacing.
- Heavy-duty versions are available. Please contact a Comprod Inc. Technical support technician for consultation.



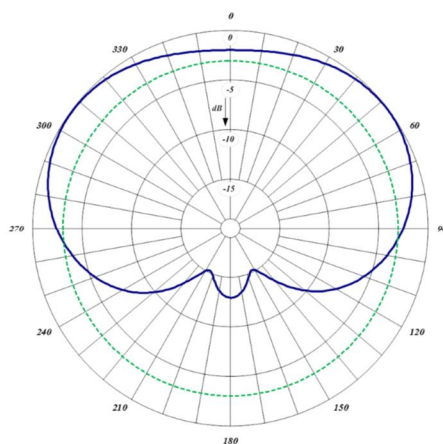
Electrical Specifications	F-3729	F-3713	F-3766
Frequency Range, MHz	138-174	138-174	138-174
Nominal Gain, dBd	2.5-3.0	7.0	9.0-10.0
Number of Dipoles	1	2	4
Number of Reflectors	6	6	6
Bandwidth 1.5:1 VSWR, MHz	36	36	36
Polarization	Vertical	Vertical	Vertical
Pattern	Directional	Directional	Directional
Power Rating, Watts	200	450	450
Nominal Impedance, Ohms	50	50	50
Lightning Protection	DC Ground	DC Ground	DC Ground
Standard Termination	Type N Male	Type N Male	Type N Male

Mechanical Specifications	F-3729	F-3713	F-3766
Length, in (mm)	72 (1829)	120 (3048)	240 (6096)
Width(1/2 Wave Spacing), in (mm)	50 (1270)	53 (1346)	53 (1346)
Weight, lbs. (kg)	34.3 (15.6)	57.2 (26)	100.3 (45.5)
Mounting Information Mast O.D. (mm)	2.4" (61)	2.4" (61)	2.9" (73)

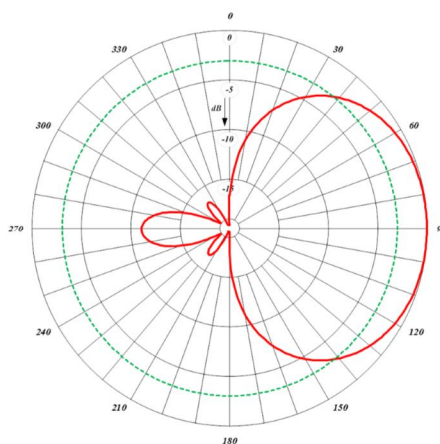
Order Information	Side Mount	Top Mount	Black Anodized
F-3729	F-3729SM	F-3729TM	F-3729SMB
F-3713	F-3713SM	F-3713TM	F-3713SMB
F-3766	F-3766SM	F-33228 (Mid Mount)	F-3766SMB



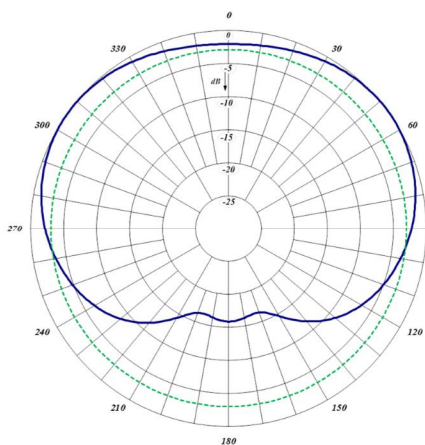
F-3729



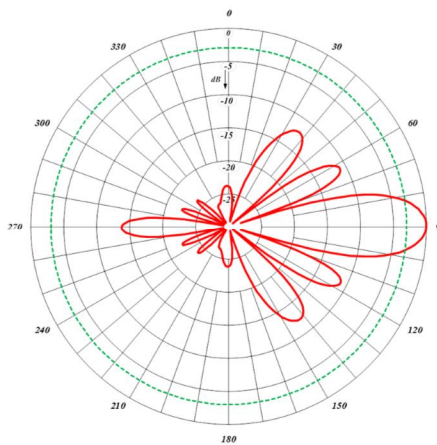
3/8 Spacing Horizontal



3/8 wave Spacing Vertical



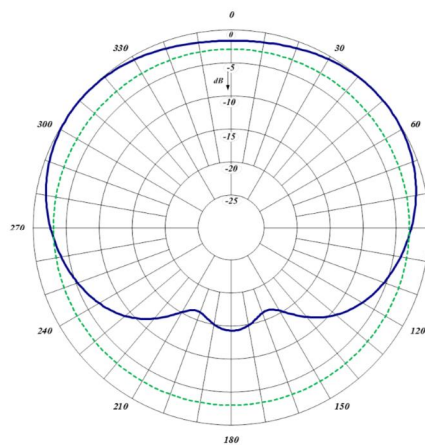
3/8 Spacing Horizontal



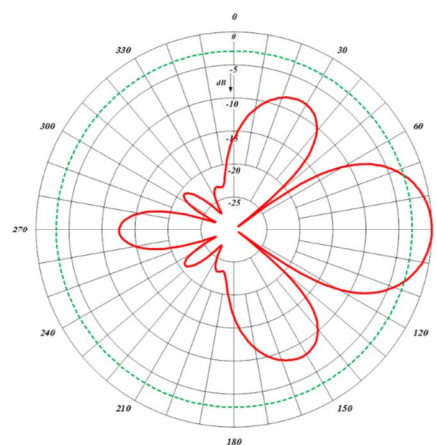
3/8 Spacing Vertical F-3766



F-3713



3/8 Spacing Horizontal



3/8 Spacing Vertical