VHF EXPOSED DIPOLES WITH REFLECTORS

138-174 MHz

HEAVY DUTY available | BLACK ANODIZED available | LOW PIM available

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 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 to mast spacing.
- Heavy-duty versions are available. Please contact our Technical Support team for consultation.
- This antenna is available in Low-PIM (-150 dBc; two 20W carriers).

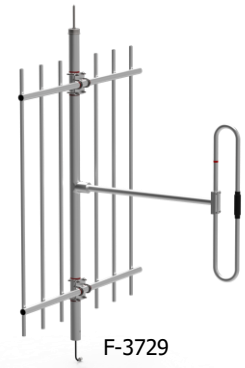
Electrical Specifications	F-3729	F-3713	F-3766
Frequency Range, MHz	138-174	138-174	138-174
Nominal Gain, dBd	2.5-3.0	7.0	9.0-10.0
Number of Dipoles	1	2	4
Number of Reflectors	7	7	7
Bandwidth 1.5:1 VSWR, MHz	36	36	36
Polarization	Vertical		
Pattern	Directional		
Power Rating, Watts	200	450	450
Nominal Impedance, Ohms	50	50	50
Lightning Protection	DC Ground		
Standard Termination	Type N Male for standard version – DIN 7/16 or 4.3/10 for Low-PIM version		
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.	2.4" (61)	2.4" (61)	2.9" (73)

F-3713

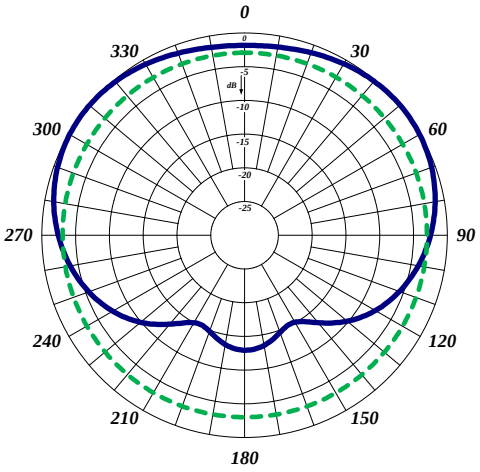
* See appendix for ordering information (page 233) *

COMPROD Simplifying RF Solutions
sales@comprodcom.com | comprodcom.com
US 1.877.825.2007 / CAN 1.800.603.1454
FAX 1.800.554.1033

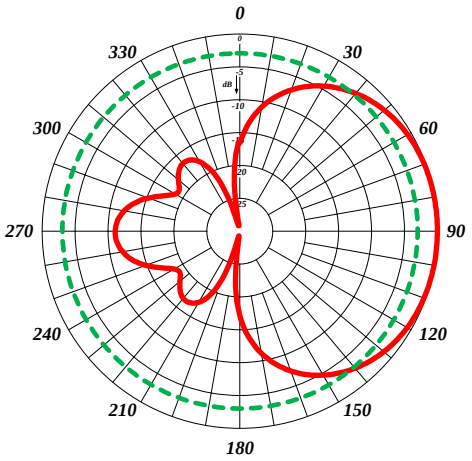
VHF EXPOSED DIPOLES WITH REFLECTORS 138-174 MHz



F-3729

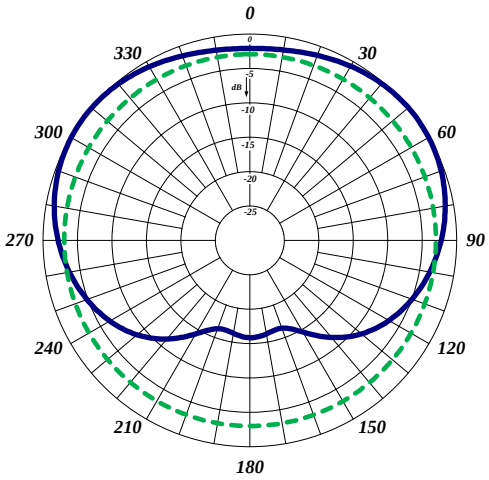


3/8 Spacing Horizontal

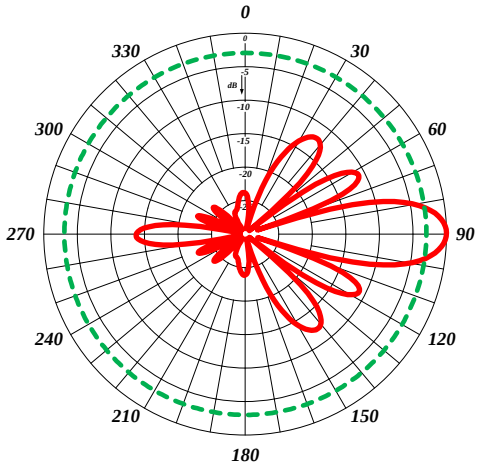


3/8 wave Spacing Vertical

F-3766

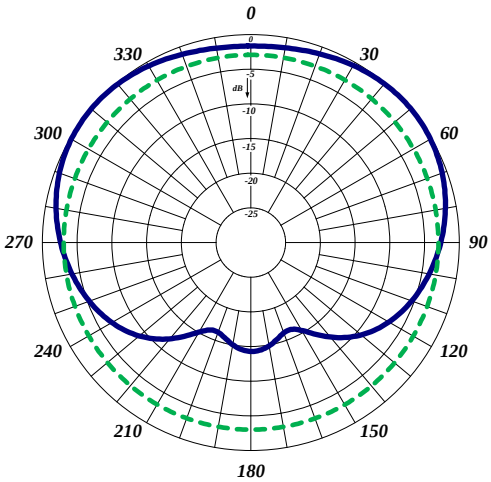


3/8 Spacing Horizontal

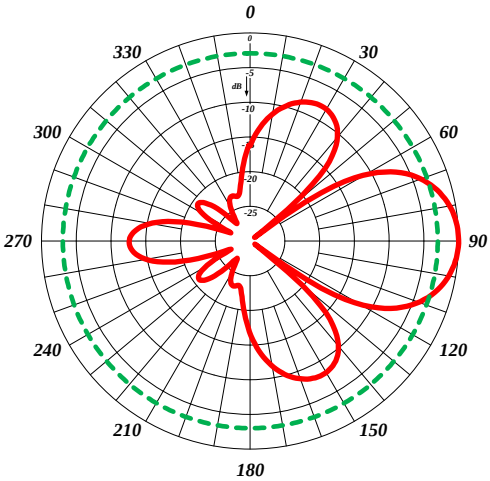


3/8 wave Spacing Vertical

F-3713



3/8 Spacing Horizontal



3/8 wave Spacing Vertical

COMPROD Simplifying RF Solutions
sales@comprodcom.com | comprodcom.com
US 1.877.825.2007 / CAN 1.800.603.1454
FAX 1.800.554.1033