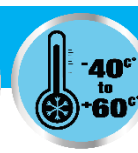


VHF EXPOSED DIPOLES WITH REFLECTORS



138-174 MHz

F-3766

The F-3766 is a four dipole antenna with a seven-reflectors configuration. All our antennas can be completely customized to your applications. Our antennas can be black anodized, side mount or top mount and heavy-duty versions are also available. This product is ideal for state or country border. We have seen great success with being able to shape the RF patterns in the 870-series antenna line.

- The F-3766 is offered in a 3/8 wave version
- This arrangement will provide a higher directivity and greater front-to-back ratio
- It has an internal cabling and fixed dipole-mast spacing

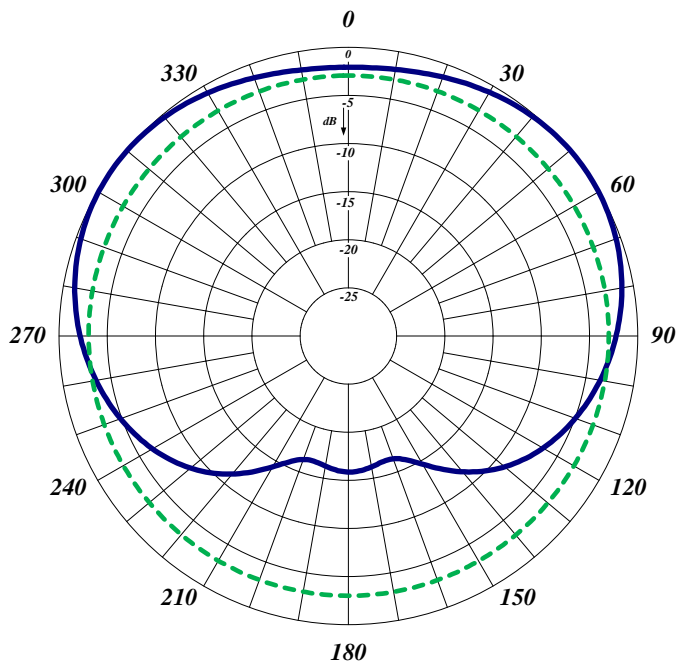
Electrical Specifications	F-3766
Frequency Range, MHz	138-174
Nominal Gain, dBd	9.0 -10.0
Number of Dipoles	1
Number of reflectors	7
Bandwidth 1.5:1 VSWR, MHz	36
Polarization	Vertical
Pattern	Directional
Power Rating, Watts	450
Nominal Impedance, Ohms	50
Lightning Protection	DC Ground
Temperature Range	-40 to +60 C°
Standard Termination	Type N Male, other connectors available upon request
Mechanical Specifications	F-3766
Length, in (mm)	246 (6248)
Depth Width (Reflector), (3/8 Wave Spacing), in (mm)	53 (1346)
Weight, lbs. (kg)	149 (68)
Rated Wind Velocity, No Ice, mph (km/h)	135 (217)
Rated Wind Velocity, 0.5" (13mm) ice, mph (km/h)	100 (161)
Lateral Thrust @ 100 mph, wind, lbs. (N)	557 (2477)
Torsional Moment 100 mph, no ice, ft, lbs (N•m)	168 (228)
Projected Area, ft (m)	17 (1.59)
Mounting Information in (mm)	2.9 (73)



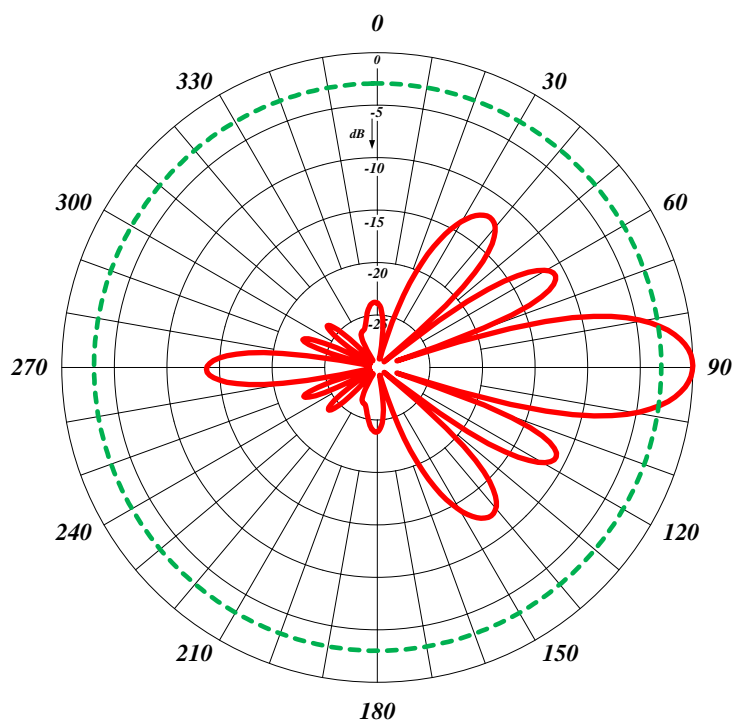
F-3766



F-3766



Horizontal Pattern



Vertical Pattern