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### 870 SERIES VHF EXPOSED DIPOLES

The 870 Series VHF Exposed Dipoles are available in 1, 2, 4, 8, dipole and dual-dipole configurations. Antennas can be customized to your applications. Available with black anodized coating. Adjustable, fixed, side or top mounted. Heavy-duty, rugged versions are available.

- Each antenna is offered in a 1/4, 3/8, or 1/2 wave versions.
- The 87XA-70 has external cabling and a field adjustable pattern.
- The 87XF-70 has internal cabling and fixed dipole-mast spacing.
- Heavy-duty versions are available. Contact a COMPROD technical support technician.

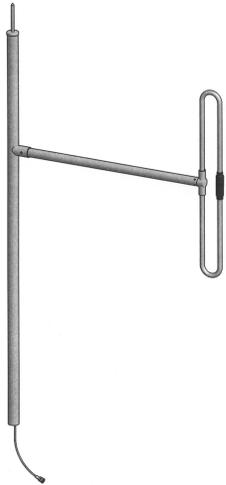


872F-70

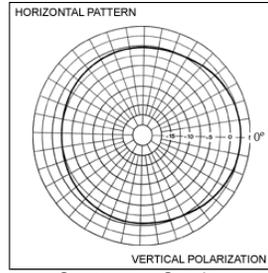
#### 138-174 MHz VHF EXPOSED DIPOLES

Electrical Specifications	871F-70	872F-70	874F-70
Frequency Range, MHz	138-174	138-174	138-174
Nominal Gain, dBd	2.0-2.5	5.0-5.5	8.0-8.5
Number of Dipoles	1	2	4
Bandwidth: 1.5:1 VSWR, MHz	36	36	36
Polarization	Vertical	Vertical	Vertical
Pattern	Offset	Offset	Offset
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			
Length, in (mm)	78 (1981)	126 (3200)	246 (6248)
Width (1/2 Wave Spacing), in (mm)	40 (1016)	40 (1016)	40 (1016)
Weight, lbs (kg)	11.8 (5.4)	24 (10.8)	67 (30)
Rated Wind Velocity: No Ice, mph (km/h)	170 (241)	150 (241)	145 (233)
Rated Wind Velocity: 0.5" (13mm) Ice, mph (km/h)	145 (217)	135 (217)	95 (153)
Lateral Thrust @ 100mph wind, lbs (kg)	45 (20.5)	92 (41.7)	160 (72.6)
Bending Moment @ top clamp: 100mph, lb*ft (kg*m)	18 (2.5)	205 (28.4)	1364 (188.7)
Projected Area, ft <sup>2</sup> (m <sup>2</sup> )	1.7 (0.16)	3.5 (0.33)	7 (0.65)
Mounting Information	Mast 1.9" (48mm) O.D.	Mast 2.4" (61mm) O.D.	Mast 2.9" (73mm) O.D.

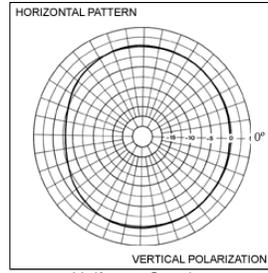
Order Information	Adjustable	Heavy Duty	Side Mount	Top Mount	Black Anodized
871-70	871A-70	871F-70HD	871F-70SM	871F-70TM	871F-70HDB
872-70	872A-70	872F-70HD	872F-70SM	872F-70TM	872F-70HDB
874-70	874A-70	874F-70HD	874F-70SM	874F-70TM	874F-70HDB



871F-70



Quarterwave Spacing



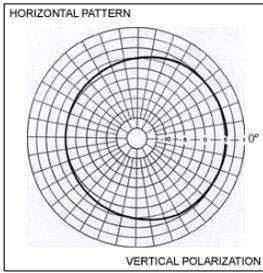
Halfwave Spacing

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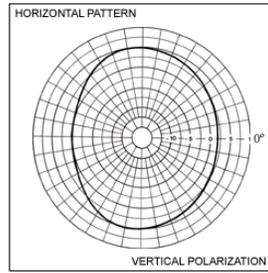
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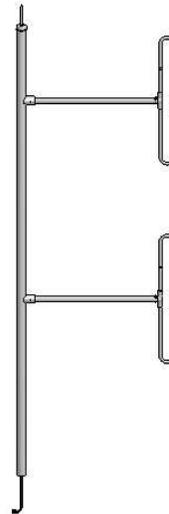
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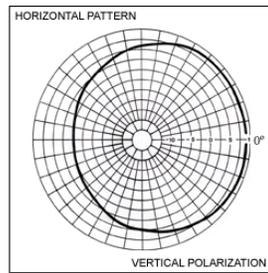
Quarterwave Spacing



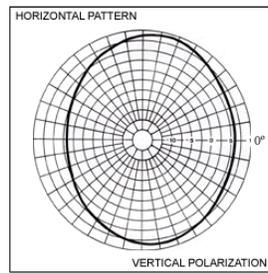
Halfwave Spacing



872F-70



Quarterwave Spacing



Halfwave Spacing

**874F-70**



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COMPROD is an RF manufacturer. A specialist in complete RF infrastructure solutions, the company offers a wide range of base stations, base antennas, in-building antennas and mobile antennas. Simpler, stronger, faster RF solutions.

COMPROD: We make RF simple.

Design by Kina Communication  
A Webit Strategy

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