

**CP770 Series UHF Exposed Dipoles**

The 770 Series UHF Exposed Dipoles are available in 1, 2, 4, 8, dipole configurations. All of our antennas can be completely customized to your particular applications. Our antennas can be Black Anodized, Side Mount or Top Mount, and many versions of Heavy Duty Ruggedness are all available.

- Each antenna is offered in 1/4, 3/8, or 1/2 wave spacing versions
- The 77XF-70 has an internal cabling and fixed dipole-mast spacing
- Heavy Duty Versions are available, but please contact a Comprod Technical support technician for consultation



**772-70**

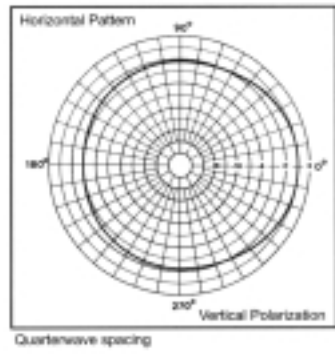
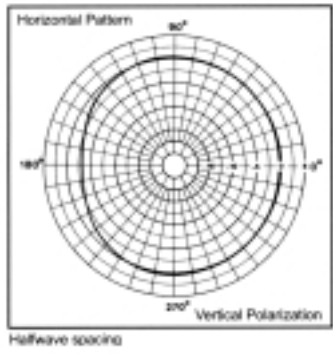
<b>Electrical Specifications</b>	<b>771-70</b>	<b>772-70</b>	<b>774-70</b>	<b>778-70</b>
Frequency Range, MHz	406-512	406-512	406-512	406-512
Nominal Gain, dBd	2.0-2.5	5.0-5.5	8.0-8.5	11.0-11.5
Number of Dipoles	1	2	4	8
Bandwidth: 1.5:1 VSWR, MHz	106	106	106	106
Polarization	Vertical	Vertical	Vertical	Vertical
Pattern	Offset	Offset	Offset	Offset
Power Rating, Watts	75	150	300	300
Nominal Impedance, Ohms	50	50	50	50
Lightning Protection	DC Ground	DC Ground	DC Ground	DC Ground
Standard Termination	Type N Male	Type N Male	Type N Male	Type N Male

<b>Mechanical Specifications</b>				
Length, inches (mm)	66 (1676)	86 (2184)	126 (3200)	210 (5334)
Width (1/2 Wave Spacing), inches (mm)	16 (406)	16 (406)	16 (406)	16 (406)
Weight, lbs (kg)	7 (3.2)	13 (5.9)	19 (8.6)	67 (30)
Rated Wind Velocity: No Ice, mph (km/h)	150 (241)	150 (241)	150 (241)	150 (241)
Rated Wind Velocity: 0.5" (13mm) Ice, mph (km/h)	150 (241)	150 (241)	150 (241)	105 (169)
Lateral Thrust @ 100mph wind, lbs (kg)	15 (6.8)	24 (11)	44 (20)	88 (40)
Bending Moment @ top clamp: 100mph, ft*lb (kg*m)	25 (3.5)	64 (8.8)	193 (26.7)	606 (83.8)
Equiv. Flat Plate Area, ft <sup>2</sup> (m <sup>2</sup> )	0.5 (0.05)	0.76 (0.071)	1.38 (0.128)	2.45 (0.228)
Mounting Information: Mast O.D.	1.9" (48mm)	1.9" (48mm)	1.9" (48mm)	2.4" (61mm)

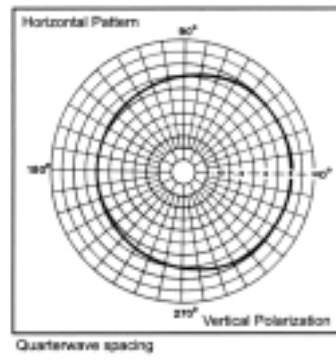
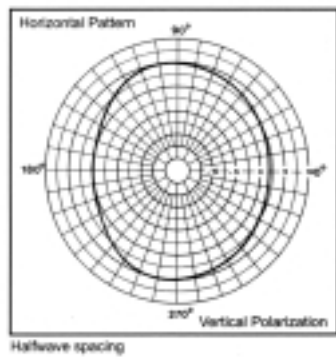
<b>Order Information</b>	<b>Side Mount</b>	<b>Top Mount</b>	<b>Heavy Duty</b>	<b>Black Anodized</b>	<b>Welded</b>
771-70	771-70SM	771-70TM	771-70HD	771-70HDB	771-70HDW
772-70	772-70SM	772-70TM	772-70HD	772-70HDB	772-70HDW
774-70	774-70SM	774-70TM	774-70HD	774-70HDB	774-70HDW
778-70	778-70SM	778-70TM	778-70HD	778-70HDB	778-70



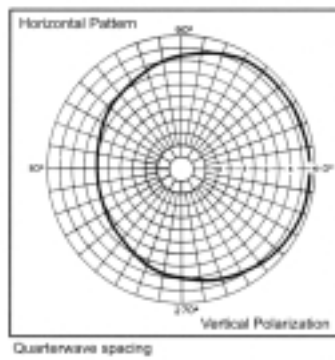
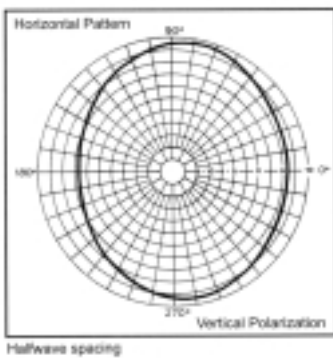
771-70



772-70



774-70



778-70

