

770 SERIES UHF EXPOSED DIPOLES

Thee 770 Series UHF Exposed Dipoles are available in 1, 2, 4, 8 and dual dipole configurations. Antennas can be customized to your applications. Available with black anodized coating. Adjustable, fixed, side or top mounted configurations. Heavy-duty, rugged versions are available.

- Each antenna is offered in a 1/4, 3/8, or 1/2 wave versions.
- The 77X-70 has an internal cabling and fixed dipole-mast spacing.
- Heavy-duty versions are available. Contact a COMPROD technical support technician.

406-512 MHz UHF EXPOSED DIPOLES

Electrical Specifications	771-70	772-70	774-70	778-70
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	64
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
Mechanical Specifications				
Length, in (mm)	66 (1676)	86 (2184)	126 (3200)	210 (5334)
Width (1/2 Wave Spacing), in (mm)	16 (406)	16 (406)	16 (406)	17 (432)
Weight, lbs (kg)	8.6 (3.9)	12.6 (5.7)	21 (9.5)	52 (23.6)
Rated Wind Velocity: No Ice, mph (km/h)	170 (274)	160 (257)	150 (241)	140 (225)
Rated Wind Velocity: 0.5" (13mm) Ice, mph (km/h)	145 (233)	135 (217)	120 (193)	105 (169)
Lateral Thrust @ 100mph wind, lbs (kg)	27 (12.3)	39 (17.8)	64 (29)	134 (61)
Bending Moment top clamp: 100mph, lb*ft (kg*m)	33.5 (4.6)	72 (10)	177 (24.5)	655 (91)
Projected Area, ft ² (m ²)	1 (0.09)	1.5 (0.14)	2.4 (0.23)	5.1 (0.472)
Mounting Information: Mast O.D.	1.9" (48mm)	1.9" (48mm)	1.9" (48mm)	2.4" (61mm)



772-70

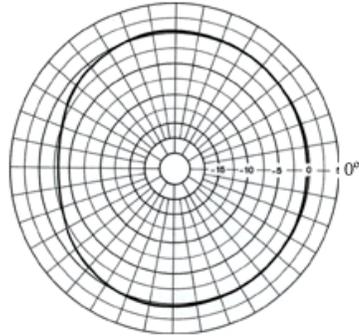
Order Information	Side Mount	Top Mount	Heavy Duty	Welded	Black Anodized
771-70	771-70SM	771-70TM	771-70HD	771-70HDW	771-70HDB
772-70	772-70SM	772-70TM	772-70HD	772-70HDW	772-70HDB
774-70	774-70SM	774-70TM	774-70HD	774-70HDW	774-70HDB
778-70	778-70SM	778-70TM	778-70HD	778-70HDW	778-70HDB



771-70

HALFWAVE

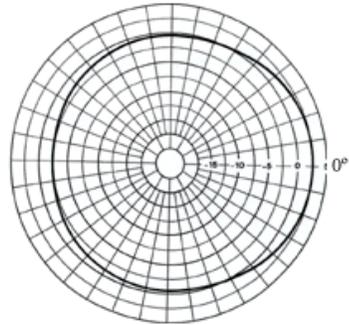
HORIZONTAL PATTERN



VERTICAL POLARIZATION

QUARTERWAVE

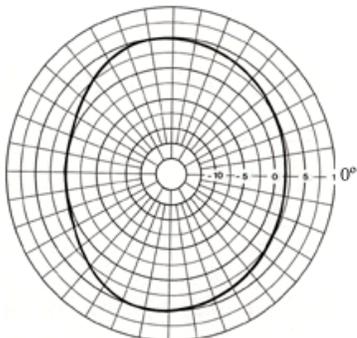
HORIZONTAL PATTERN



VERTICAL POLARIZATION

HALFWAVE

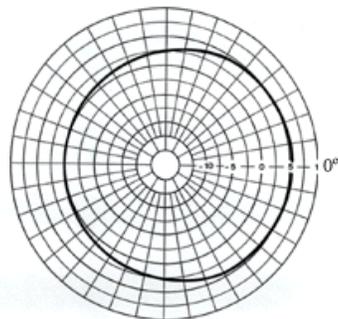
HORIZONTAL PATTERN



VERTICAL POLARIZATION

QUARTERWAVE

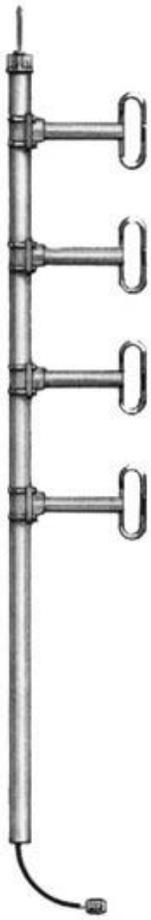
HORIZONTAL PATTERN



VERTICAL POLARIZATION

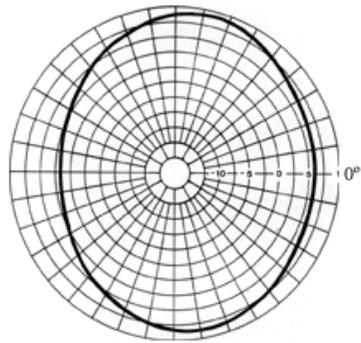


772-70



HALFWAVE

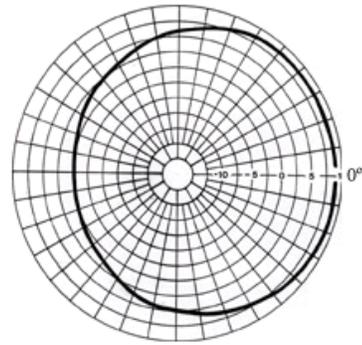
HORIZONTAL PATTERN



VERTICAL POLARIZATION

QUARTERWAVE

HORIZONTAL PATTERN

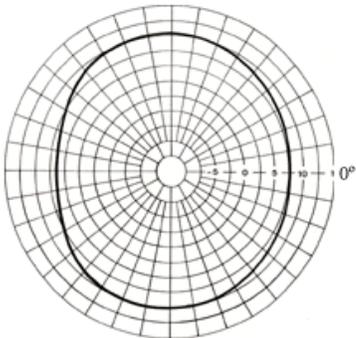


VERTICAL POLARIZATION

774-70

HALFWAVE

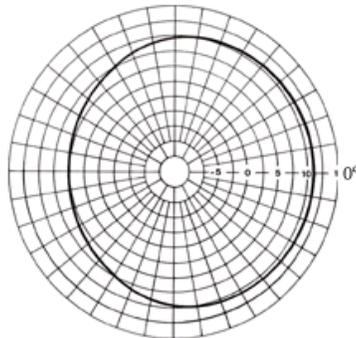
HORIZONTAL PATTERN



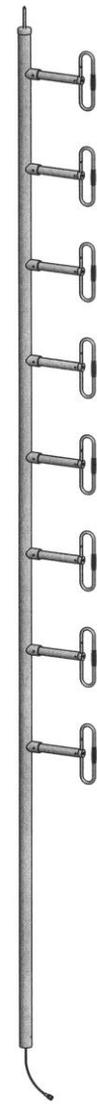
VERTICAL POLARIZATION

QUARTERWAVE

HORIZONTAL PATTERN



VERTICAL POLARIZATION



778-70