



## Shipboard Muldipol™ Antennas

### Models D7061-L and D7066-L

The **Muldipol™** Multiple Collinear Array concept has been specifically developed by TACO for ground-air-ground, air traffic control, and associated land or sea based communication applications. This omni-directional concept employs a unique method of shielding the feed cables to improve radiation pattern characteristics. The **Muldipol™** also has a high degree of isolation between discrete elements within a closely spaced array.

#### Environmental

- Designed to comply to MIL-STD 810G
- Enclosed in fibreglass radome to protect from water and ice

#### Electrical

- Isolation > 20dB
- Polarization Vertical
- Omni-directional +/- 1dB Uniformity (azimuth)
- VSWR < 2.5:1
- Terminals "N" Female
- Terminal Impedance 50 Ohm
- Vertical Beam Deviation +/- 10 degrees
- Maximum Input Power 350 Watt VHF, 250 Watt UHF

#### Lightning Protection

- 3/8" x 4 1/4" long stainless steel lightning rod
- Internal grounding wire runs from lightning rod to stainless steel grounding lug at the base of the antenna
- Grounding lug fits up to 0.312" external ground wire connector

#### Mounting Base

- Mounting holes support 6 x 1/2" bolts on 11 5/8" BCD

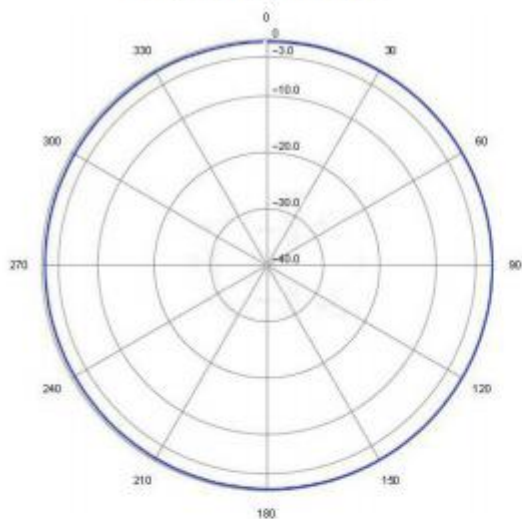
### MECHANICAL MOUNTS SPECIFICATIONS

MODEL	VHF 115-175 MHz	UHF 225-400 MHz	GAIN (dBi)	# OF OUTPUTS	HPBW (°)	LENGTH in (cm)	WEIGHT lbs (kg)	COLOR	WIND AREA 0.5" RADIAL ICE
D7061-L	3	3	2.0	6	75	216 (548)	86 (39)	Black	5.12 Sq. Ft.
D7066-L	-	6	2.0	6	75	249.25 (633)	88 (39.9)	Black	6.13 Sq. Ft.

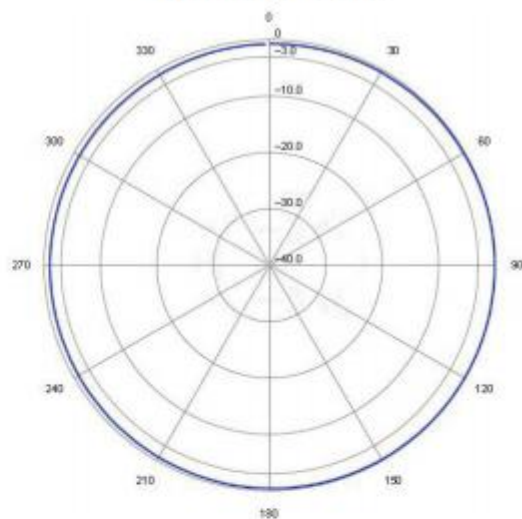
D7061-L NSN: 5985-01-521-1102

**SHIPBOARD MULTIPOL™ ANTENNA PATTERNS**

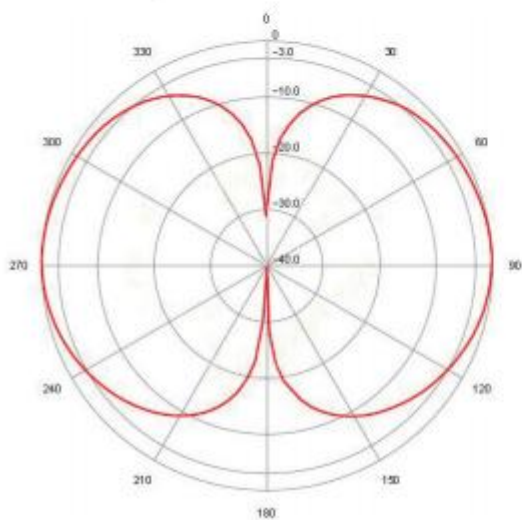
**UHF H-PLANE**



**VHF H-PLANE**



**UHF E-PLANE**



**VHF E-PLANE**

