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

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

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

TACO Antenna’s ongoing policy of continuing development may result in specification changes to its products.