

7050xxx

Single Band | Center Fed Dipole | V-Pol or H-Pol | Variable Azimuth | Variable Gain

- A VHF center fed dipole antenna for PMR/trunked radio, broadcast and VHF aircraft band applications
- Multiple dipoles can be mounted on a tower and connected with a phasing harness to form a high gain stacked array
- Produced to the highest quality standards
- Robust antenna design ensure's reliable operation in harch environmental conditions

| Ordering Options | | Frequency Band* |
|---|---------|-----------------|
| Model Numbers | 7050002 | 48-52 MHz |
| | 7050060 | 60-75 MHz |
| When ordering replace "xxx" in the Model Number with one of the options shown at right. | 7050073 | 73-80 MHz |
| | 7050075 | 75-88 MHz |
| | 7050088 | 88-108 MHz |
| | 7050118 | 118-136 MHz |
| | 7050135 | 135-160 MHz |
| * Other frequency ranges available upon request. | 7050140 | 145-180 MHz |
| | 7050158 | 140-175 MHz |
| | 7050170 | 176-210 MHz |
| | 7050225 | 210-240 MHz |

| Electrical Characteristics | |
|----------------------------|--|
| Bandwidth | ±10% (typical) |
| Polarisation | Vertical or Horizontal |
| Horizontal Beamwidth | Will depend on mounting distance from mast |
| Vertical Beamwidth | 80° |
| Gain | 0 dBd (omni) Will depend on mounting distance from mast |
| Impedance | 50Ω |
| VSWR | < 1.5:1 |
| Maximum Power | 150 W |
| Lightning Protection | DC Grounded |
| Connector(s) | N-Type Female + 3m of RG213 cable |

| Mechanical Characteristics | | | |
|--|----------|---------------------------|----------------------|
| Materials | Boom | 32 mm diameter, aluminium | |
| | Elements | 19 mm diameter, aluminium | |
| | Balun | Fully moulded enclosure | |
| Dimensions (Length x Width x Depth at 80 MHz) | | 1700 x 1370 x 110 mm | 66.9 x 53.9 x 4.3 in |
| Weight without Mounting Brackets (at 80 MHz) | | 2.8 kg | 6.2 lbs |
| Wind Load (160 km/hr or 100 mph; at 80 MHz) | | 134 N | 30.1 lbf |

| Mounting Options (ordered separately) | |
|---------------------------------------|---|
| Mounting Bracket Kit | 3202078/68 + 3201079/00 |
| Alternate Mounting Brackets | 0900912/00, 0302032/68 or 0300064/00 + U-bolts to match mounting pipe diameter |

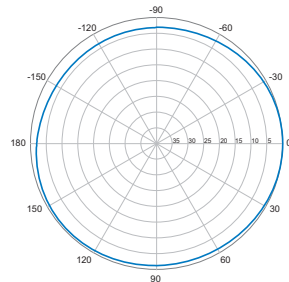


Quoted performance parameters are provided to offer typical, peak or range values only and may vary as a result of normal testing, manufacturing and operational conditions. Extreme operational conditions and/or stress on structural supports is beyond our control. Such conditions may result in damage to this product. Improvements to products may be made without notice.

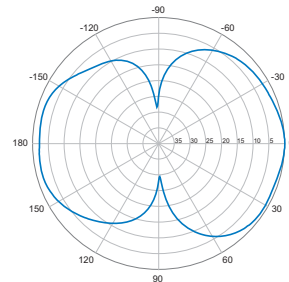
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48...240 MHz



Horizontal



Vertical