

Centre fed dipole 88-108 MHz

DESCRIPTION

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, these robust antenna designs will ensure reliable operation in harsh environmental conditions.

- Former Jaybeam brand product.

SPECIFICATIONS

| Electrical | |
|-------------------------|---|
| Frequency | 88 - 108 MHz |
| Max. Input Power | 150 W |
| Polarisation | Linear (Vertical or Horizontal) |
| 3 dB Beamwidth, E-Plane | 80 ° |
| 3 dB Beamwidth, H-Plane | Omni - will depend on mounting distance from mast. |
| Impedance | 50 Ω |
| Gain | 0 dBd (omni - will depend on mounting distance from mast) |
| VSWR | < 1.5:1 |
| Antistatic Protection | All metal parts DC-grounded (Connector shows a DC-short) |

| Mechanical | |
|----------------------------|--|
| Connection(s) | N(f) on 3m RG213/U cable |
| Materials | Boom, 32 mm dia. aluminium elements, 19.1 mm dia. aluminium balun, fully moulded enclosure |
| Dimensions | 1370 x 1370 x 110 mm (L x H x D) |
| Wind Load | 144 N (160km/h) |
| Weight | 2.4 kg / 5.29 lb |
| Mounting Bracket | 3202078/68 + 3201079/00 (Ordered Separately) |
| Alternate Mounting Bracket | 0900912/00, 0302032/68, or 0300064/00 + U-Bolts to match mounting pipe diameter (Ordered Separately) |

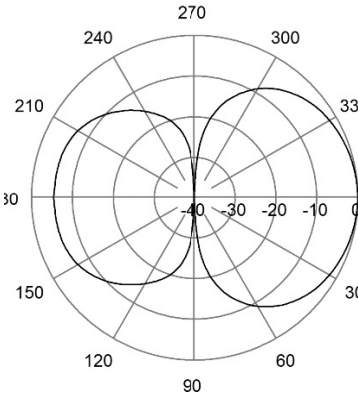
ORDERING

| Type | Product No. | Frequency |
|---|-------------|--------------|
| Centre fed dipole 88-108 MHz | 7050088 | 88 - 108 MHz |
| Galvanised steel crossover bracket 32/50mm | 0900912/00 | |
| Pressed steel cross clamp 2" x 1-1/4" (JBL73) | 0302032/68 | |
| Cast aluminium cross clamp, circular | 0300064/00 | |
| M8 x 50mm (2") U-Bolts (1 Pair) | 4884036/00 | |
| M8 x 75mm (3") U-Bolts (1 Pair) | 4884076/00 | |
| Fixed norstel / coupler clamp (cross clamp) | 3202078/68 | |
| Increasing sleeve | 3201079/00 | |



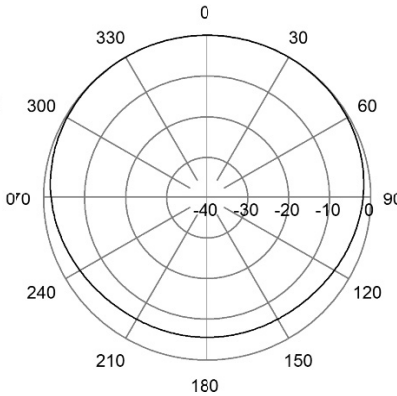
DIAGRAM

RADIATION PATTERNS



E-Plane | 98 MHz

RADIATION PATTERNS



H-Plane | 98 MHz