

## 3 element Yagi 200 - 220 MHz

### DESCRIPTION

- A 3-element VHF Yagi antenna for PMR/Trunked Radio, Broadcast and extended range VHF Aircraft Band applications.
- Produced to the highest quality standards these robust antenna designs will ensure reliable operation in harsh environmental conditions.
- Former Jaybeam brand product.



### SPECIFICATIONS

| Electrical              |  |
|-------------------------|--|
| Model                   | 7049210  |
| Frequency               | 200 - 220 MHz  |
| Max. Input Power        | 150 W  |
| Polarisation            | Linear (Vertical or Horizontal)                          |
| 3 dB Beamwidth, E-Plane | 70 °   |
| 3 dB Beamwidth, H-Plane | 120 °  |
| Impedance               | 50 Ω   |
| Gain                    | 5 dBd (7.2 dBi)  |
| VSWR                    | < 1.5:1  |
| Front-To-Back Ratio     | > 15 dB  |
| Antistatic Protection   | All metal parts DC-grounded (Connector shows a DC-short) |

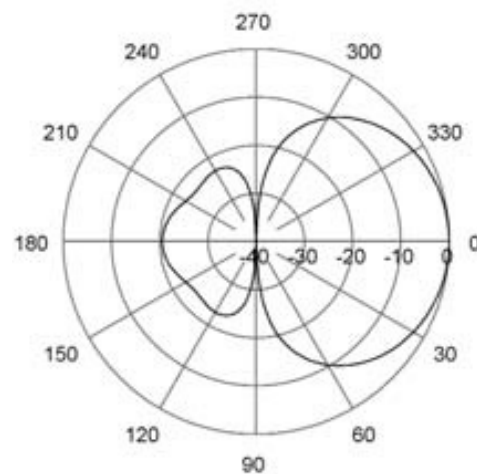
| Mechanical                 |  |
|----------------------------|--|
| Connection(s)              | N(f) on 3m RG213/U cable   |
| Materials                  | Boom, 32 mm dia. aluminium elements, 19.1 mm dia. aluminium balun, fully moulded enclosure           |
| Length                     | Approx. 1000 mm / 39.37 in.  |
| Wind Load                  | 98 N (160 km/h)  |
| Weight                     | Approx. 2.9 kg / 6.39 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

| Model          | Product No. | Frequency     |
|----------------|-------------|---------------|
| 3 element Yagi | 7049210     | 200 - 220 MHz |

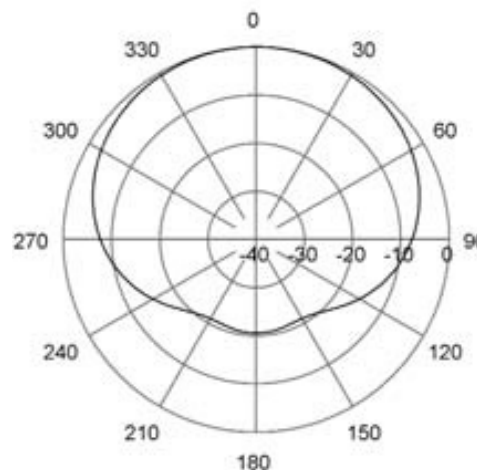
| Accessories                                   |            |  |
|---|------------|--|
| Galvanised steel crossover bracket 32/50 mm   | 0900912/00 |  |
| Pressed steel cross clamp 2" x 1-1/4" (JBL73) | 0302032/68 |  |
| Cast aluminium cross clamp, circular          | 0300064/00 |  |
| M8 x 50 mm (2") U-Bolts (1 Pair)              | 4884036/00 |  |
| M8 x 75 mm (3") U-Bolts (1 Pair)              | 4884076/00 |  |
| Fixed norstel / coupler clamp (cross clamp)   | 3202078/68 |  |
| Increasing sleeve                             | 3201079/00 |  |

### RADIATION PATTERNS



E-Plane | 210 MHz

### RADIATION PATTERNS



H-Plane | 210 MHz

