

2 element Yagi 380-400 MHz, low PIM

DESCRIPTION

A 2-element VHF/UHF 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              |                                                          |
|-------------------------|----------------------------------------------------------|
| Frequency               | 380 - 400 MHz                                            |
| Max. Input Power        | 150 W                                                    |
| Polarisation            | Linear (Vertical or Horizontal)                          |
| 3 dB Beamwidth, E-Plane | 75 °                                                     |
| 3 dB Beamwidth, H-Plane | 150 °                                                    |
| Impedance               | 50 Ω                                                     |
| Gain                    | 3 dBd (5.2 dBi)                                          |
| VSWR                    | < 1.5:1                                                  |
| Front-To-Back Ratio     | > 12 dB                                                  |
| Passive Intermodulation | -143dBc (3rd Order, 2 x Tx @ 43dBm)                      |
| Antistatic Protection   | All metal parts DC-grounded (Connector shows a DC-short) |

| Mechanical                 |                                                                                                      |
|----------------------------|------------------------------------------------------------------------------------------------------|
| Connection(s)              | 7/16(f) on 3m RG214/U cable                                                                          |
| Materials                  | Boom, 32 mm dia. aluminium elements, 12.7 mm dia. aluminium balun, Fully moulded enclosure           |
| Length                     | 690 mm / 27.17 in.                                                                                   |
| Wind Load                  | 51 N (160km/h)                                                                                       |
| Weight                     | 1.3 kg / 2.87 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) |

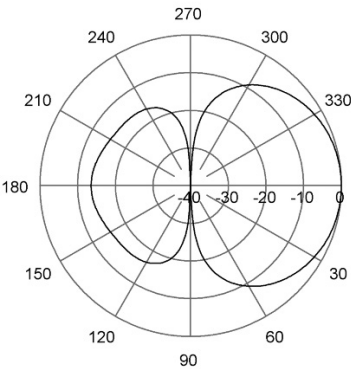
ORDERING

| Type                                          | Product No. | Frequency     |
|-----------------------------------------------|-------------|---------------|
| 2 element Yagi 380-400 MHz, low PIM           | 7039385     | 380 - 400 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  |               |



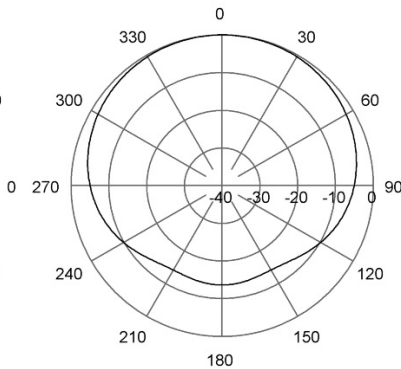
DIAGRAM

RADIATION PATTERNS



E-Plane | 390 MHz

RADIATION PATTERNS



H-Plane | 390 MHz