

# BY4-6G

## VHF Low 80 MHz Three element Yagi Antenna

BY4-6G is a 3 element Yagi antenna with 6 dBd Gain.

- The entire balun unit and feeder cable inlet are completely sealed in a Polypropylen (PP) moulding ensuring permanent waterproof connections.
- Radiating elements, supporting booms and adjoining metal castings are constructed in high quality aluminum to prevent corrosion.



## ELECTRICAL SPECIFICATIONS

|                       |                                 |
|-----------------------|---------------------------------|
| Antenna Type          | 3-element Yagi Antenna          |
| Frequency             | L: 66-77 MHz<br>H: 77-88 MHz    |
| Bandwidth             | 11 MHz                          |
| Impedance             | 50 Ohm                          |
| VSWR                  | <1.5:1                          |
| Polarisation          | Linear (Vertical or Horizontal) |
| Gain                  | 6 dBd, 8.15 dBi                 |
| Half-Power Beamwidth  | E-Plane: 68°<br>H-Plane: 116°   |
| Front-To-Back Ratio   | > 16 dB                         |
| Max. Input Power      | 150 Watt                        |
| Antistatic Protection | Direct Ground                   |

MECHANICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| Color               | Silvery white                                    |
| Dimensions          | 2000 x 2120 mm                                   |
| Weight              | 6.0 kg   |
| Mount Type          | Fixed Tube Bracket in Galvanized Iron (included) |
| Mounting Place      | On tube (Ø 20 - 65 mm, vertical or horisontal)   |
| Survival Wind Speed | 55 m/s   |
| Materials           | Aluminum 6063-T5, PP and Brass                   |
| Connector           | Type N-female                                    |
| Pigtail             | Approx. 2.5 m RG213/U                            |
| Serial Number       | On product label                                 |

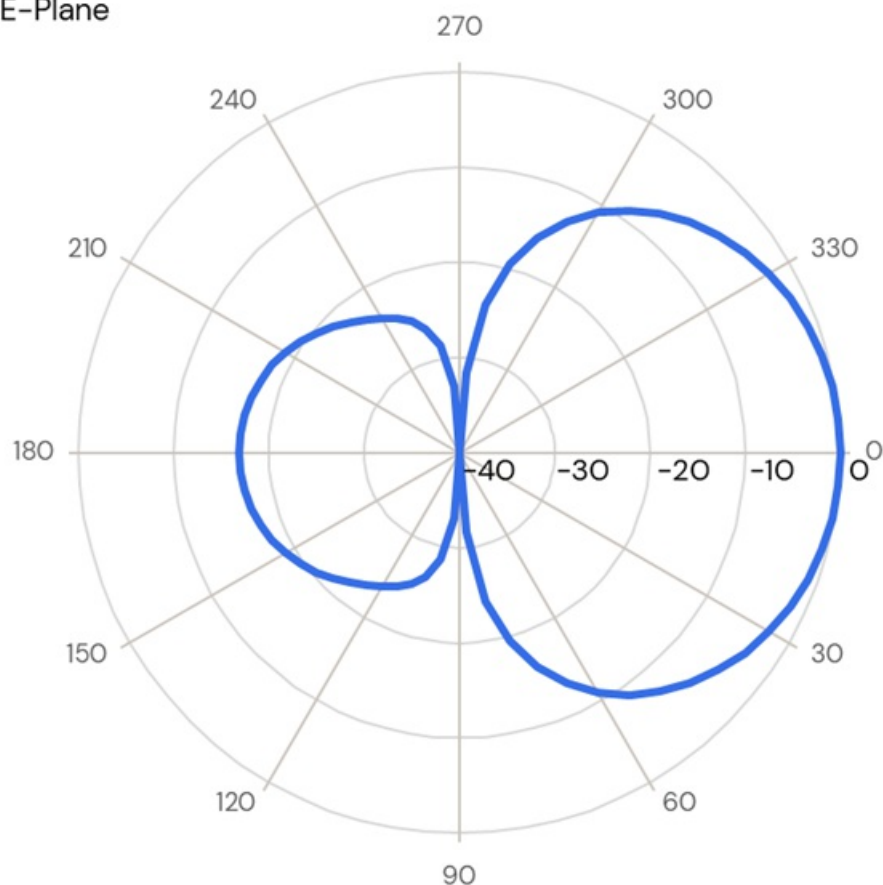
ORDERING INFORMATION

|         |                       |
|---------|-----------------------|
| BY4-6GL | 66 - 76 MHz<br>In Box |
| BY4-6GH | 75 - 85 MHz<br>In Box |

## Datasheet

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E-Plane



H-Plane

