

# BY2-10G

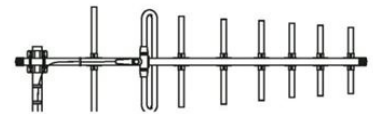
## VHF 150 MHz Eight element Yagi Antenna

BY2-8G is a 8 element Yagi antenna with 10 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          | 8-element Yagi Antenna,                                 |
| Frequency             | L: 144 - 160 MHz<br>M: 153 - 167 MHz<br>H: 160- 175 MHz |
| Bandwidth             | L: 16 MHz<br>M: 14 MHz<br>H: 15 MHz                     |
| Impedance             | 50 Ohm  |
| VSWR                  | <1.5:1  |
| Polarisation          | Linear (Vertical or Horizontal)                         |
| Gain                  | 10 dBd, 12.15 dBi                                       |
| Half-Power Beamwidth  | E-Plane: 44°<br>H-Plane: 48°                            |
| Front-To-Back Ratio   | > 18 dB   |
| Max. Input Power      | 150 Watt  |
| Antistatic Protection | Direct Ground   |



## Datasheet

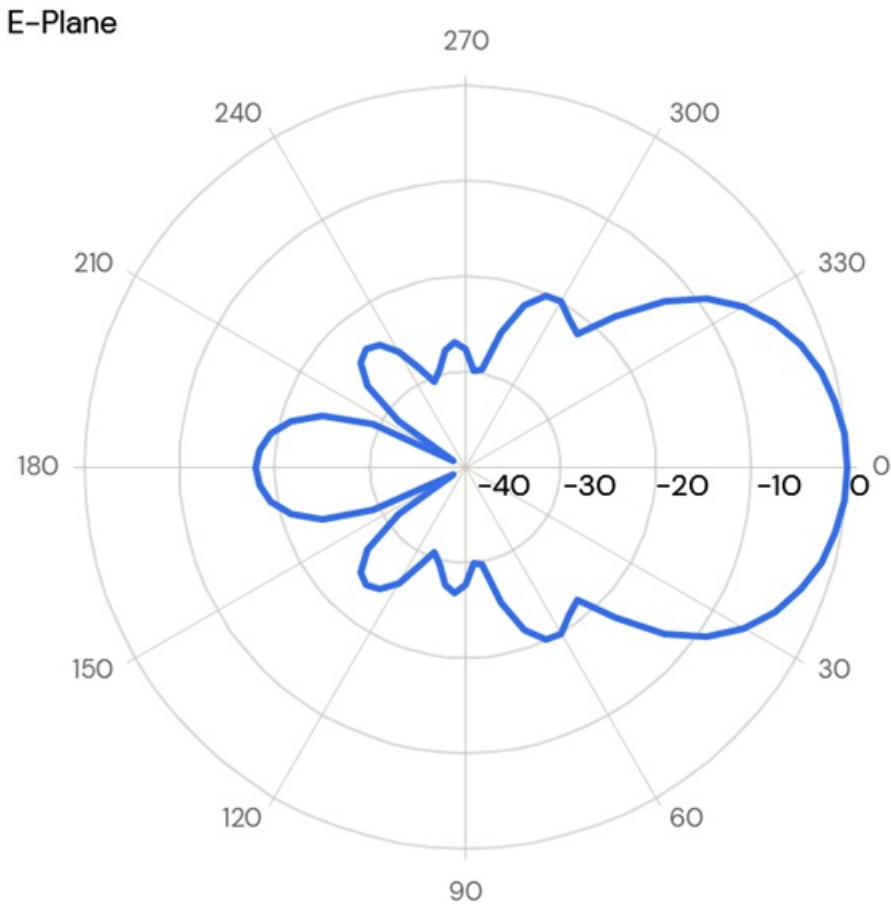
2 / 4

## MECHANICAL SPECIFICATIONS

|                     |   |
|---------------------|---|
| Color               | Silvery white   |
| Dimensions          | L: 2828 x 1040 mm<br>M: 3270 x 960<br>H: 2990 x 880       |
| Weight              | 5.0 kg  |
| Mount Type          | Fixed Tube Bracket in Galvanized Iron (included - P05/01) |
| Mounting Place      | On Tube (∅ 20 - 65 mm, vertical or horizontal)            |
| 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

|          |                         |
|----------|-------------------------|
| BY2-10GL | 144 - 160 MHz<br>In Box |
| BY2-10GM | 153 - 167 MHz<br>In Box |
| BY2-10GH | 160 - 175 MHz<br>In Box |



H-Plane

