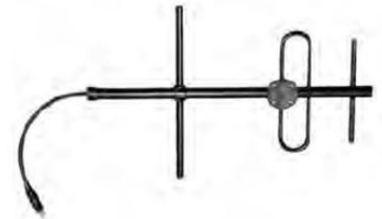


# BY70-5G

## UHF 450 MHz Three element Yagi Antenna

BY70-5G is a 3 element Yagi antenna with 5 dBd Gain.

- Wideband Balun unit made of Polypropylene (PP).
- Radiating elements, supporting booms and adjoining metal castings are constructed in high quality aluminum to prevent corrosion.



## ELECTRICAL SPECIFICATIONS

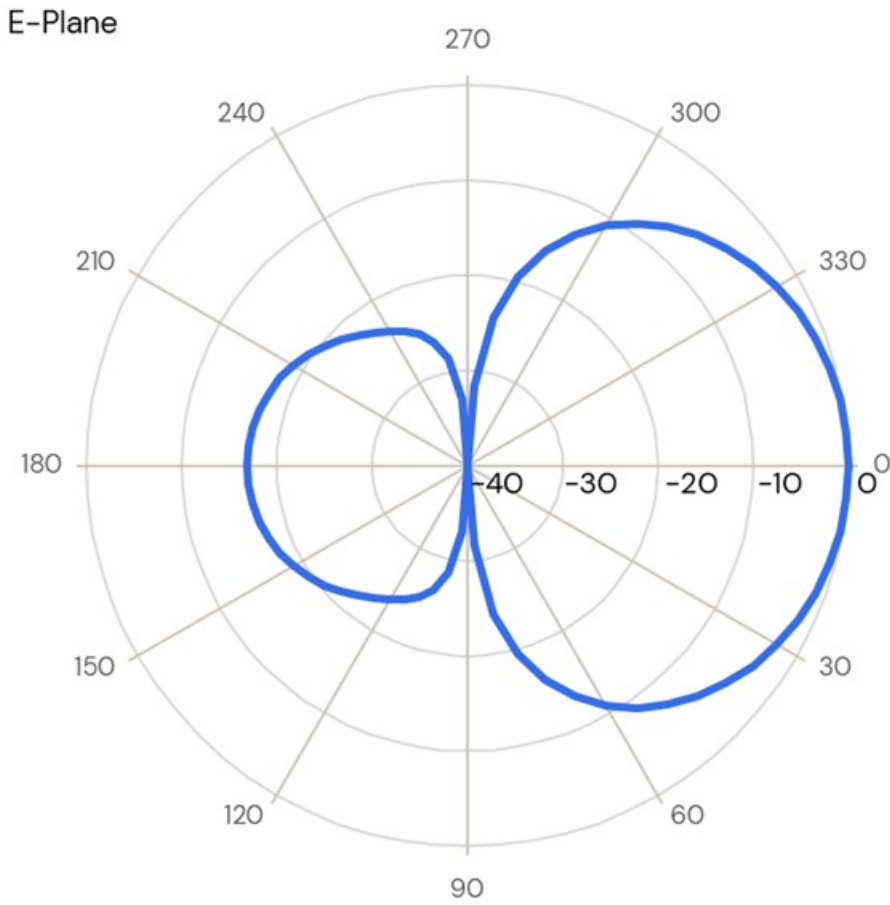
|                       |                                   |
|-----------------------|-----------------------------------|
| Antenna Type          | 3-element Yagi Antenna            |
| Frequency             | T: 380 - 430 MHz<br>400 - 475 MHz |
| Bandwidth             | T: 50 MHz<br>75 MHz               |
| Impedance             | 50 Ohm                            |
| VSWR                  | <1.5:1                            |
| Polarisation          | Linear (Vertical or Horizontal)   |
| Gain                  | 5 dBd, 7.15 dBi                   |
| Half-Power Beamwidth  | E-Plane: 70°<br>H-Plane: 120°     |
| Front-To-Back Ratio   | > 18 dB                           |
| Max. Input Power      | 150 Watt                          |
| Antistatic Protection | Direct Ground                     |

## MECHANICAL SPECIFICATIONS

|                     |  |
|---------------------|--|
| Color               | Black Grey (RAL7021)                             |
| Dimensions          | 750 x 450 mm                                     |
| Weight              | 2.1 kg   |
| Mount Type          | Fixed Tube Bracket in Galvanized Iron (included) |
| Mounting Place      | On tube (Ø 25 - 65 mm, vertical or horizontal)   |
| Survival Wind Speed | 55 m/s   |
| Connector           | Type N-female                                    |
| Pigtail             | Approx. 0.5 m RG213/U                            |
| Serial Number       | On product label                                 |
| Materials           | Aluminum 6063-T5, PP and Brass                   |

## ORDERING INFORMATION

|          |                         |
|----------|-------------------------|
| BY70-5GT | 380 - 430 MHz<br>In Box |
| BY70-5G  | 400 - 475 MHz<br>In Box |



H-Plane

