

# BY70-12G

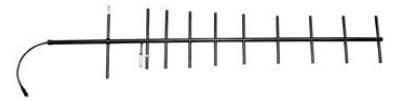
## UHF 450 MHz Ten element Yagi Antenna

BY70-12G is a 10 element Yagi antenna with 12 dBd Gain.

- Low Loss and Wideband Gamma match.
- Radiating elements, supporting booms and adjoining metal castings are constructed in high quality aluminum to prevent corrosion.

### ELECTRICAL SPECIFICATIONS

Antenna Type	10-element Yagi Antenna
Frequency	T: 380 - 430 MHz 400 - 475 MHz
Bandwidth	T: 50 MHz 75 MHz
Impedance	50 Ohm
VSWR	<1.5:1
Polarisation	Linear (Vertical or Horizontal)
Gain	12 dBd, 14.15 dBi
Half-Power Beamwidth	E-Plane: 46° H-Plane: 52°
Front-To-Back Ratio	> 18 dB
Max. Input Power	150 Watt
Antistatic Protection	Direct Ground



## Datasheet

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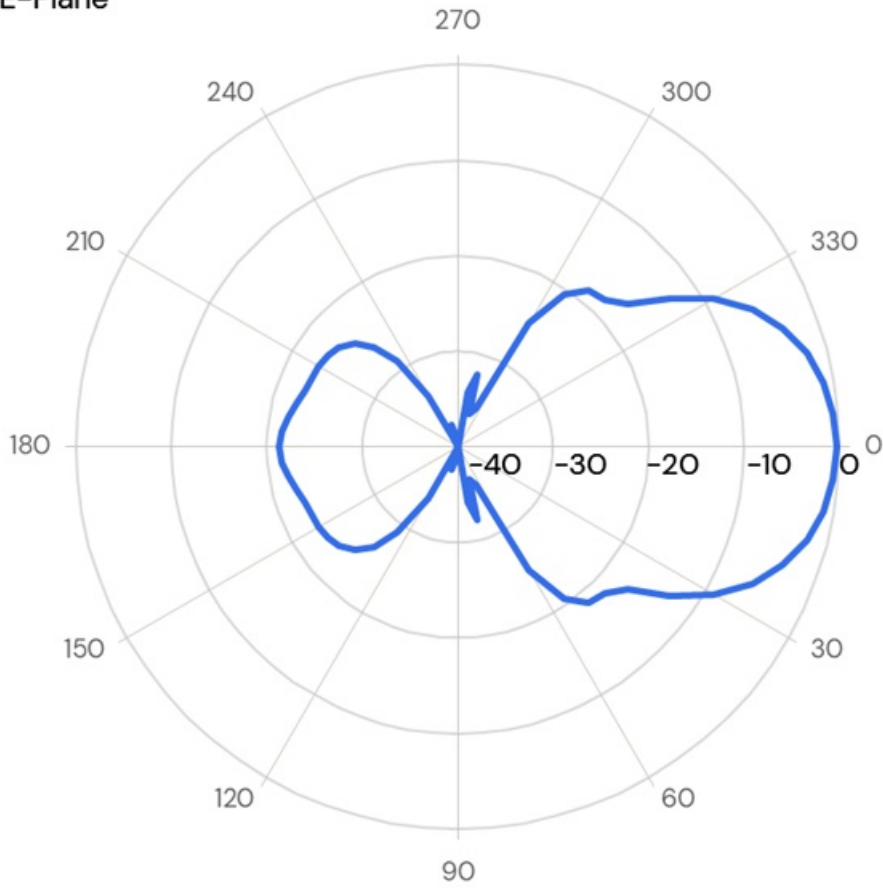
## MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimensions	1600 x 370 mm
Weight	3.3 kg (incl. bracket)
Mount Type	Fixed Tube Bracket in Galvanized Iron (included - P05/01)
Mounting Place	On tube (Ø 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. 0.5 m RG213/U
Serial Number	On product label

## ORDERING INFORMATION

BY70-12GT	380 - 430 MHz In Box
BY70-12G	400 - 475 MHz In Box

E-Plane



H-Plane

