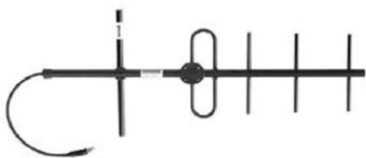


# BY70-7G

## UHF 450 MHz Five element Yagi Antenna

BY70-7G is a 5 element Yagi antenna with 7 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	5-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	7 dBd, 9.15 dBi
Half-Power Beamwidth	E-Plane: 64° H-Plane: 50°
Front-To-Back Ratio	> 18 dB
Max. Input Power	150 Watt
Antistatic Protection	Direct ground

Datasheet

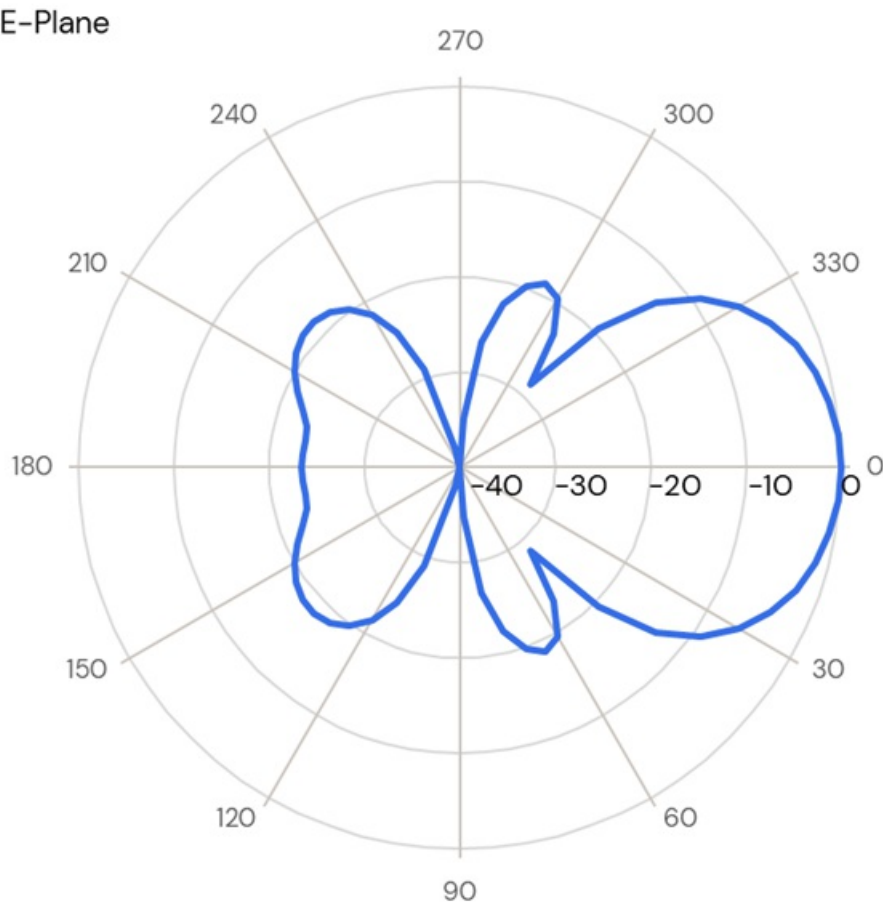
MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimensions	1100 x 450 mm
Weight	4.5 kg
Mount Type	Fixed Tube Bracket in Galvanized Iron (included)
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

BY70-7GT	380 - 430 MHz In Box
BY70-7G	400 - 475 MHz In Box

Datasheet



Datasheet

4 / 4

H-Plane

