

# BY70-10G

UHF 450 MHz Seven element Yagi Antenna

BY70-7G is a 7 element Yagi antenna with 10 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	7-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	10 dBd, 12.15 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

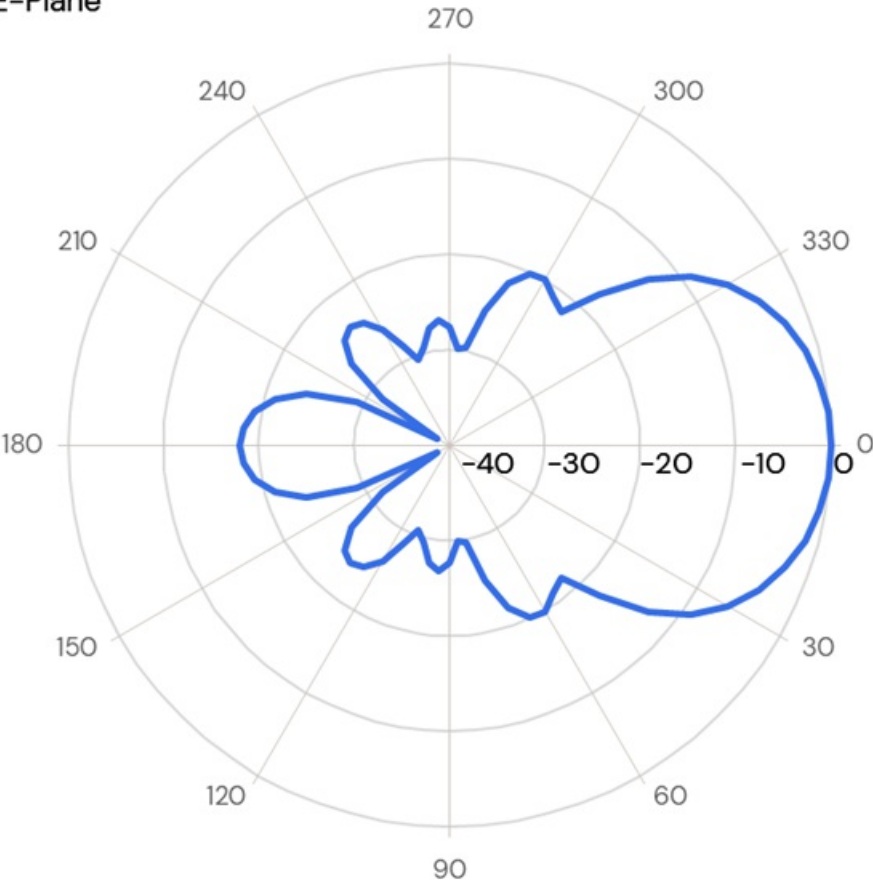
MECHANICAL SPECIFICATIONS

Color	Black Grey (RAL7021)
Dimensions	1300 x 450 mm
Weight	2.9 kg (incl. bracket)
Mount Type	Fixed Tube Bracket in Galvanized Iron (included - P05/01)
Mounting Place	On tube (Ø 27 - 50 mm, vertical or horisontal)
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

BY70-10GT	380 - 430 MHz In Box
BY70-10G	400 - 475 MHz In Box

E-Plane



Datasheet

H-Plane

