

# BY1-XG

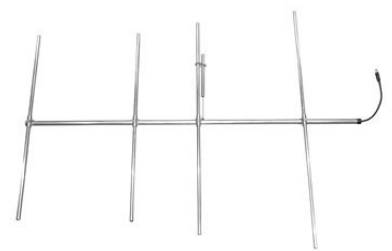
## DAB 200 MHz Yagi Antenna Series

BY3-XG is a family of DAB 200 MHz Yagi Antennas

- 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	BY1-6G: 3-element Yagi Antenna BY1-7G: 4-element Yagi Antenna BY1-9G: 6-element Yagi Antenna
Frequency	220 - 240 MHz
Bandwidth	20 MHz
Impedance	50 Ohm
VSWR	<1.5:1
Polarisation	Linear (Vertical or Horizontal)
Gain	BY1-6G: 6 dBd, 8.15 dBi BY1-7G: 7 dBd, 9.15 dBi BY1-9G: 9 dBd, 11.15 dBi
Half-Power Beamwidth	BY1-6G: E-plane: 60°, H-Plane: 80° BY1-7G: E-plane: 58°, H-Plane: 90° BY1-9G: E-plane: 50°, H-Plane: 60°
Front-To-Back Ratio	BY1-6G/9G > 18 dB BY1-7G > 13 dB
Max. Input Power	150 Watt



## Datasheet

2 / 2

## MECHANICAL SPECIFICATIONS

Color	Silvery white
Dimensions	BY1-6G: 830 x 620 mm BY1-7G: 1200 x 670 mm BY1-9G: 2000 x 670 mm
Weight	BY1-6G: 3.0 kg BY1-7G: 4.0 kg BY1-9G: 5.0 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

BY1-6G	6 dBd, 8.15 dBi In Box
BY1-7G	7 dBd, 9.15 dBi In Box
BY1-9G	9 dBd, 11.15 dBi In Box