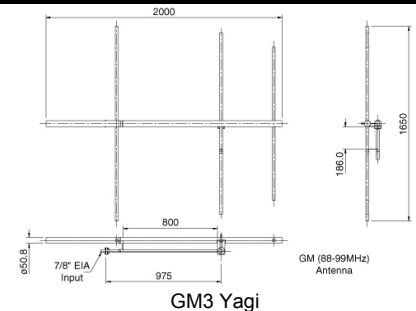


FM Yagi Antenna GM Series

Product Description

The GM Series broadcasting Yagi antennas has been designed for long life reliability under a variety of environmental conditions. The GM Series is designed for professional receive applications such as rebroadcast stations.

This Yagi antenna is designed for broadband operation in Band II. The GM series uses a "Gamma match" and has a lightweight construction. This three element Yagi is available for Band II operation in two frequency ranges to provide the ideal compromise between gain and mechanical stiffness. Input connector is 7/8" EIA.



Features/Benefits

- Low weight and windload
- Stainless steel construction for corrosion protection
- Fibreglass bracing for additional mechanical support
- Cyclone rated

Technical Specifications

Product Line	Antenna Radio
Product Type	Band II (VHF) FM Yagi Antennas
Frequency Range, MHz	88 - 108
Operating Frequency Ranges, MHz	88 - 98, 96 - 108
Polarization	Horizontal, Vertical
Number of Elements / Bays	3
Nominal Gain (Mid-band), dBd	5.3
Return Loss, dB	20 Note#1
Input Connector	7/8" EIA Flange
Power Rating, kW	2
Front to Back Ratio, dB	15
Impedance, ohms	50 unbalanced
Weight, kg (lb)	8 (17.6)
Effective Area Side (full antenna), sq m (sq ft)	0.16 (1.72)
Design Wind Speed (max), km/h (mph)	200 (124)
Material - Radiators	Stainless steel

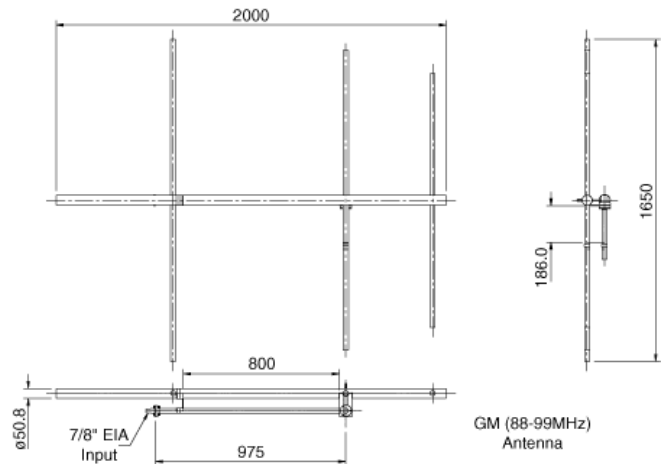
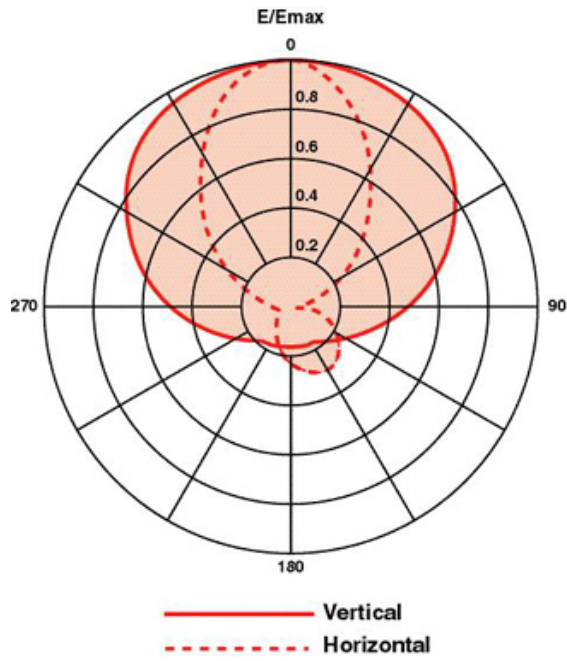
Notes

Note 1 The GM3 is factory tuned for a broadband performance and a return loss of 20dB across the specified bandwidth is achieved. Optional factory tuning for optimum narrow band performance will achieve a 30dB return loss over +/- 1MHz from the specified frequency.

Other Documentation



FM Yagi Antenna GM Series



All information contained in the present datasheet is subject to confirmation at time of ordering