

FM Yagi Antenna 902CP Series

Product Description

These FM Yagi antennas are designed for FM broadcasting applications which require circular or elliptical polarization and low windload.

The 902CP antenna elements are of stainless steel construction thus guaranteeing long life and maintenance free operation.

The antenna can be designed for any number of levels and is designed for easy sidemounting installation. Tower or mast costs are also minimized because of the low antenna windload.

Multiple arrays are supplied as a complete package including 50 ohm flexible interconnecting cables and an appropriate power divider.



Features/Benefits

The 902CP series have been developed to provide broadband operation over the range 87.5 to 108MHz. This provides broadcasters with the advantage of sharing antenna systems and reducing establishment costs.

Technical Specifications

Product Line	Antenna Radio
Product Type	Band II (VHF) FM Yagi Antennas
Frequency Range, MHz	87.5 - 108
Polarization	Circular, Elliptical
Gain per Plane of Polarization, dBd	1-Bay 1.0; 2-Bay 4.0; 3-Bay 5.8; 4-Bay 7.3; 6-Bay 9.2; 8-Bay 10.8
Return Loss, dB	> 20
Input Connector	2 x 7/8" EIA Flange
Power Rating per Input, kW	1-Bay 5; 2-Bay 10; 3-Bay 15; 4-Bay 20; 6-Bay 30; 8-Bay 40
Impedance, ohms	50 unbalanced
Weight, kg (lb)	23 (51) Single Bay
Mounting (Standard), mm (in)	Suitable for 60mm (2.4) or 90mm (3.5) OD pole
Effective Area Front (full antenna), sq m (sq ft)	0.34 (3.66)
Effective Area Side (full antenna), sq m (sq ft)	0.30 (3.23)
Wind Load @ 50 m/sec Front, kN (lb)	0.5 (100)

Notes

Other Documentation

FM Yagi Antenna 902CP Series

