



ANTENNA EXPERTS

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Model # FMC-98

88 – 108 MHz.

3 dBi Gain

FM BAND OMNI-DIRECTIONAL FIBER GLASS COLLINEAR ANTENNA

DESIGN FEATURES: FMC-98 FM Band Omni Directional Fiberglass Collinear Antenna is rugged all weather model, enclosed in a Fiber Glass radome, uses high class ultra corrosion resistant architectural aluminum alloy and does not require any field tuning or adjustments. The compact size of FM band fiber glass collinear antenna allows easy handling and shipping.

CONSTRUCTIONS: The special co-axial stub matching is used for smooth VSWR and constant Gain over the specified bandwidth. This FM band fiber glass collinear antenna is specially designed to avoid the uses of any Ground Plane. The FM Band Collinear Antennas consist of large diameter brass radiating elements stacked vertically, fed in phase and enclosed in fiber glass tube.

MOUNTING: Antenna is supplied with marine grade stainless steel mounting hardware which is suitable for mounting the antenna on 32mm to 52 mm (1.25 Inches to 2 Inches) outer diameter pipe.



ELECTRICAL SPECIFICATIONS:

Frequency Range	88 - 108 MHz.
Gain	3 dBi.
Bandwidth	3 MHz
Polarization	Vertical
Input Impedance	50 Ohms.
Radiation Pattern	Omni-directional
RF Power Handling Capacity	350 Watts
Vertical Beamwidth –Half Power Points	76 Degrees
VSWR – Better Than	1:1.5
Input Termination	N-Female

MECHANICAL SPECIFICATIONS:

Mounting Hardware -Materials	Stainless Steel
Weight Approx	4 Kgs.
Wind Rating	200 Km/Hr.
Overall Length	2.3 Meters
Shipping Length	2.4 Meters
Support Pipe Material	Aluminum
Radiating Material	All Brass
Maximum Mount Pipe Diameter	52 mm (2 Inches)
Radome Material	Fiberglass
Radome Outer Diameter	44mm

ENVIRONMENTAL SPECIFICATIONS:

Operating Temperature	(-) 30 to +70 Degrees Celsius
Storage Temperature	(-) 40 to + 80 Degrees Celsius
Humidity	0 to 95 % RH

Note: All information contained in the datasheet is subject to change without any prior notice.