



ANTENNA EXPERTS

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Model # FM-1

88 – 108 MHz.

0 dBi Gain

FM BAND CIRCULAR POLARIZED ANTENNA

DESIGN FEATURES: The FM-1 FM Band Antennas offer classical choice of antenna configuration with circular polarization. The FM-1 FM Band Antennas have low VSWR and high gain covering the complete FM band from 87.5 MHz. to 108 MHz. The FM-1 FM Band Antennas operate at D.C. ground for protection against lightening and immunity to noise.

CONSTRUCTIONS: The FM-1 FM Broadcast Antennas are supplied with dismantled dipole arms for easy handling and transportation and are assembled at site with simple hand tools. The FM Band Antenna can be supplied with 2 bay (FM-2), 3 bay (FM-3) and 4 bay (FM-4) along with suitable power splitter/combiners and phasing cables.

ELECTRICAL SPECIFICATIONS:

Frequency Range	88 - 108 MHz.
Gain	0 dBi
Bandwidth	20 MHz
Polarization	Circular
Input Impedance	50 Ohms
VSWR	1.3 : 1
RF Power Handling Capacity	500 Watts
Input Termination	N-Female or DIN-Female
Lightning Protection	DC Ground

MECHANICAL SPECIFICATIONS:

Mounting Hardware -Materials	Stainless Steel
Wind Rating	200 Km/Hr
Support Pipe Material	Aluminum
Radiating Elements - Material	Aluminum
Radiating Elements O.D.	19mm (3/4 Inches)
Mount Pipe Diameter - Length	1-4 inches (25-100 mm.)
Approximate Dimension per Bay	63x50x50 Inches (1600x1270x1270 mm)
Typical Shipping Size per Bay	66x12x12 Inches (1700x300x300 mm)
Center to Center distance (in multi bay array)	102Inches (2600 mm)

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.