

FM-34

FM ANTENNA

FEATURES

- vertical polarization
- broadband 87.5 ÷ 108 MHz
- 5 dB gain
- omnidirectional pattern with preferred direction



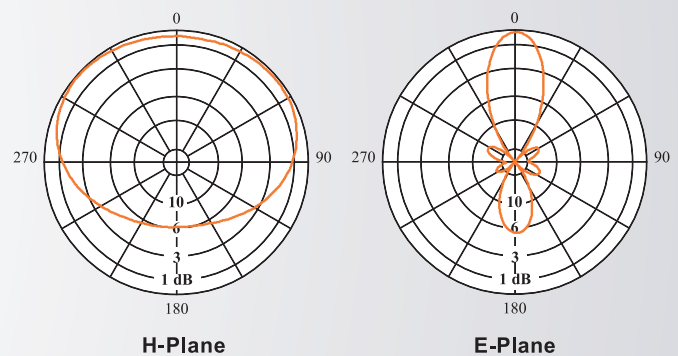
ELECTRICAL DATA

ANTENNA TYPE	FM-34
FREQUENCY RANGE	87.5 ÷ 108 MHz
IMPEDANCE	50 ohm
CONNECTOR	1-5/8" EIA
MAX POWER	10 kW
VSWR	≤ 1.2
POLARIZATION	Vertical
GAIN (referred to half wave dipole)	5 dB
HALF POWER BEAMWIDTH	E-Plane ± 18° H-Plane ± 110°
LIGHTNING PROTECTION	All metal parts DC grounded

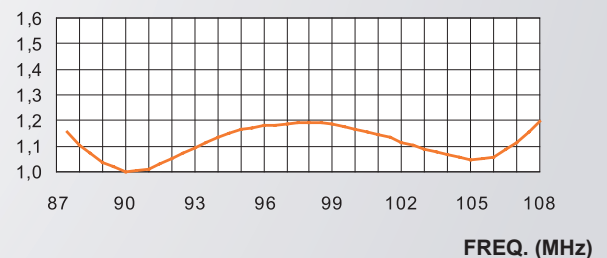
MECHANICAL DATA

DIMENSIONS mm (in)	1120 x 4350 x 200 (44.1 x 171.3 x 7.87)
WEIGHT kg (lb)	26 (57.3)
WIND SURFACE m ² (ft ²)	0.7 (7.53)
WIND LOAD kN (lbf) at 160 km/h (100 mph)	0.86 (193)
MAX WIND VELOCITY km/h (mph)	220 (136.7)
MATERIALS	External parts (aluminium) Internal parts (silver plated brass, polished brass, deoxidized aluminium) Radome (fiberglass)
ICING PROTECTION	Feed point radome
RADOME COLOUR	Grey (standard)
MOUNTING	Directly on top of existing mast by means of a flange

RADIATION PATTERNS (Mid Band)



VSWR



GAIN (dB)

