

YFL17000 / YFL77000 7 Elements



Broadcasting Antennas

FM Band

Frequency
87.5 -108 MHz

Input Flange
EIA 1-5/8"
EIA 7/8"

MAIN FEATURES

Product Codes: YFL17000 (1-5/8" IN) - YFL77000 (7/8" IN)

Electrical characteristics

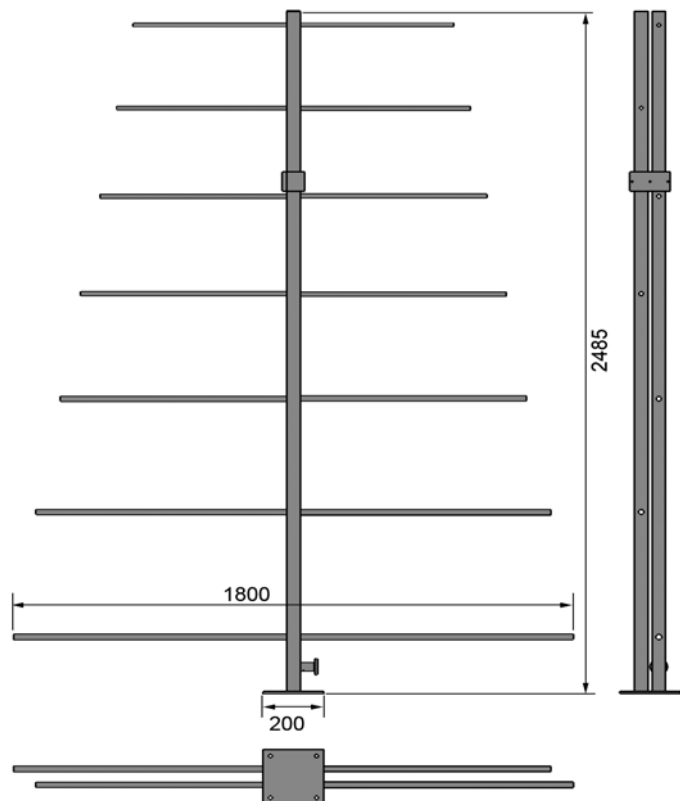
Frequency range	87.5 -108 MHz
Input impedance	50 ohm
Polarization	Vertical
Gain (Mid Band)	7.1 dBd
VSWR	< 1.8)
Max input Power YFL17000	10 kW
Max input Power YFL77000	7 kW
HPBW (Mid Band)	82° H-plane 58° E-Plane

Mechanical characteristics

Input Connector YFL17000	EIA 1-5/8"- Straight/Rear Position
Input Connector YFL77000	EIA 7/8"- Straight/Rear Position
Temperature range	-40° C / +70° C
Weight (Mass)	274.4 N (28 Kg 61.7 lbs)
Mount	
Max wind (survival)	200 km/h
	Pole Ø 50÷114 mm
Wind loads (wind= 160 Km/h)	420 N (front thrust)
	795 N (Side thrust)

Materials

External Parts	Inox Steel (Brackets: Hot dip Galvanised steel)
Internal Parts	Silver plated Alu/Brass
Insulators	Teflon
Nuts, & bolts	Inox steel AISI 304
Radome	Fiberglass



E/EM Radiation Patterns

