

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

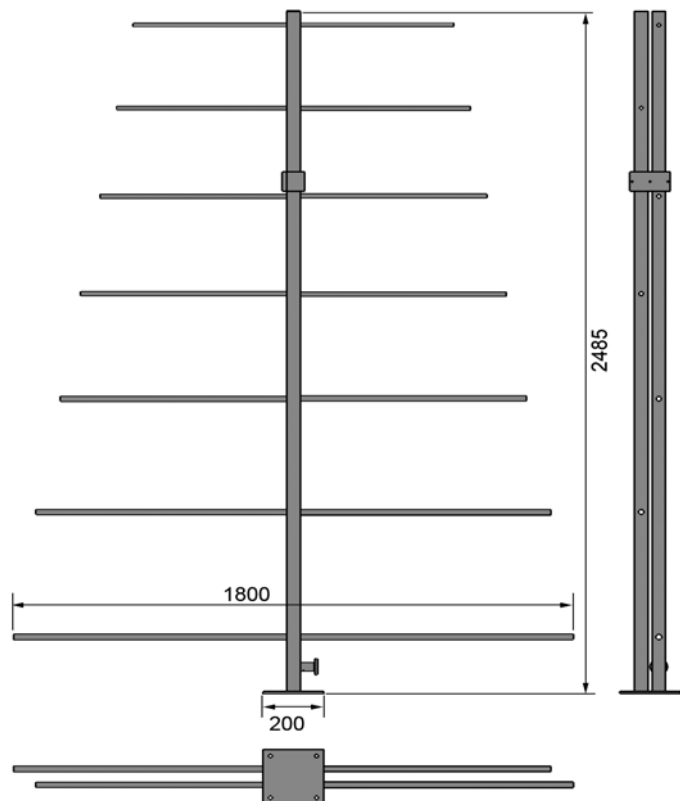
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|--------------------------|---------------------------|
| Frequency range | 87.5 -108 MHz |
| Input impedance | 50 ohm |
| Polarization | Vertical |
| Gain (Mid Band) | 7.1 dBd |
| VSWR | < 1.25 |
| Max input Power YFL17000 | 10 kW |
| Max input Power 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 76÷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

