

PFV71000 FM Panel Single Dipoles Vert. Pol.

Band FM

Operative Frequency
87.5 - 108 MHz

Input: 7/8" EIA

MAIN FEATURES

Product Code: PFV71000

Electrical characteristics

Frequency Range	87.5 - 108 MHz
Input impedance	50 OHM
Polarization	Vertical
Gain	4.4 dBd (@ 98 MHz)
VSWR	< 1.35
Max input Power	5.0 kW

all metal parts are ground connected

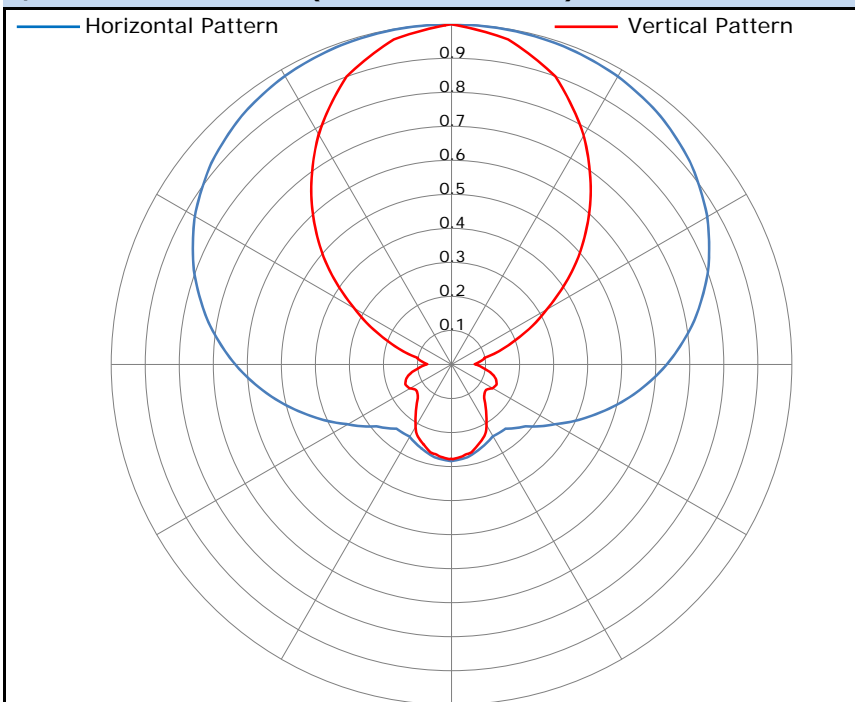
Mechanical characteristics

Input Connector	EIA 7/8"
Weight/Mass	284.2 N (29 Kg 63.9 lbs)
Wind loads (wind=160 Kph)	490 N (Front thrust) 314 N (Side thrust)
Max Wind (survival)	200 Kph
Operating temperature	-50°C to +70°C
Pressurization	100 KPa (1 Atm)
Mounting:	Brackets for Ø 60-114 pole (optional)

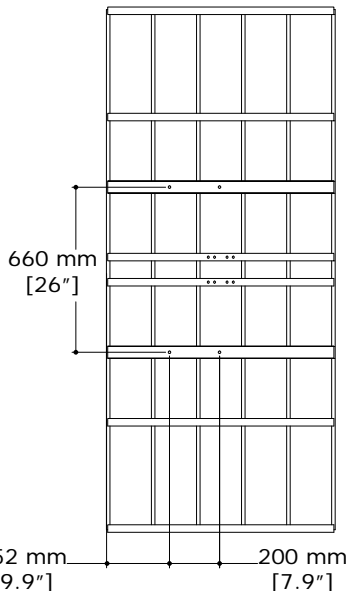
Materials

External parts	Hot dip galvanized steel
Dipoles	Stainless Steel
Internal Lines	Silver Plated Alu/Brass
Hardware	Stainless Steel
Ice Protection	Fiberglass

E/EM Radiation Patterns (Vertical Polarization)



H: 2100 mm [82.7"]
W: 914 mm [36"]
D: 1117 mm [44"]

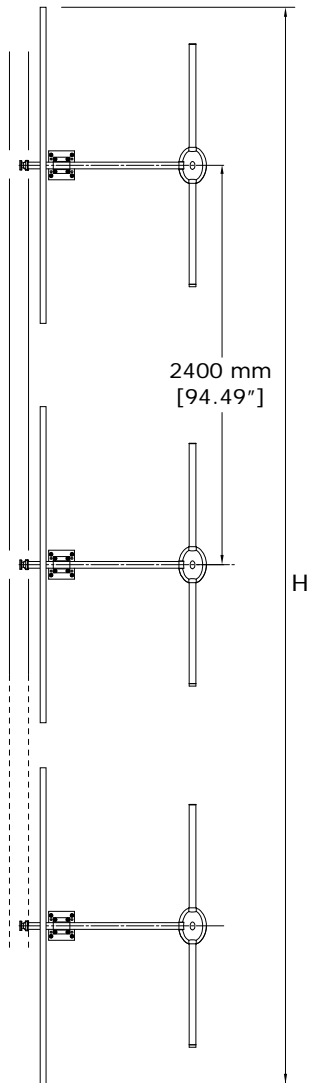


FIXING HOLES PATTERN
(Reflector Grid rear view)

Clamps for Pole Mount
NOT included (Optional)

DFV71000 FM Panel Single Dipoles Vert. Pol.

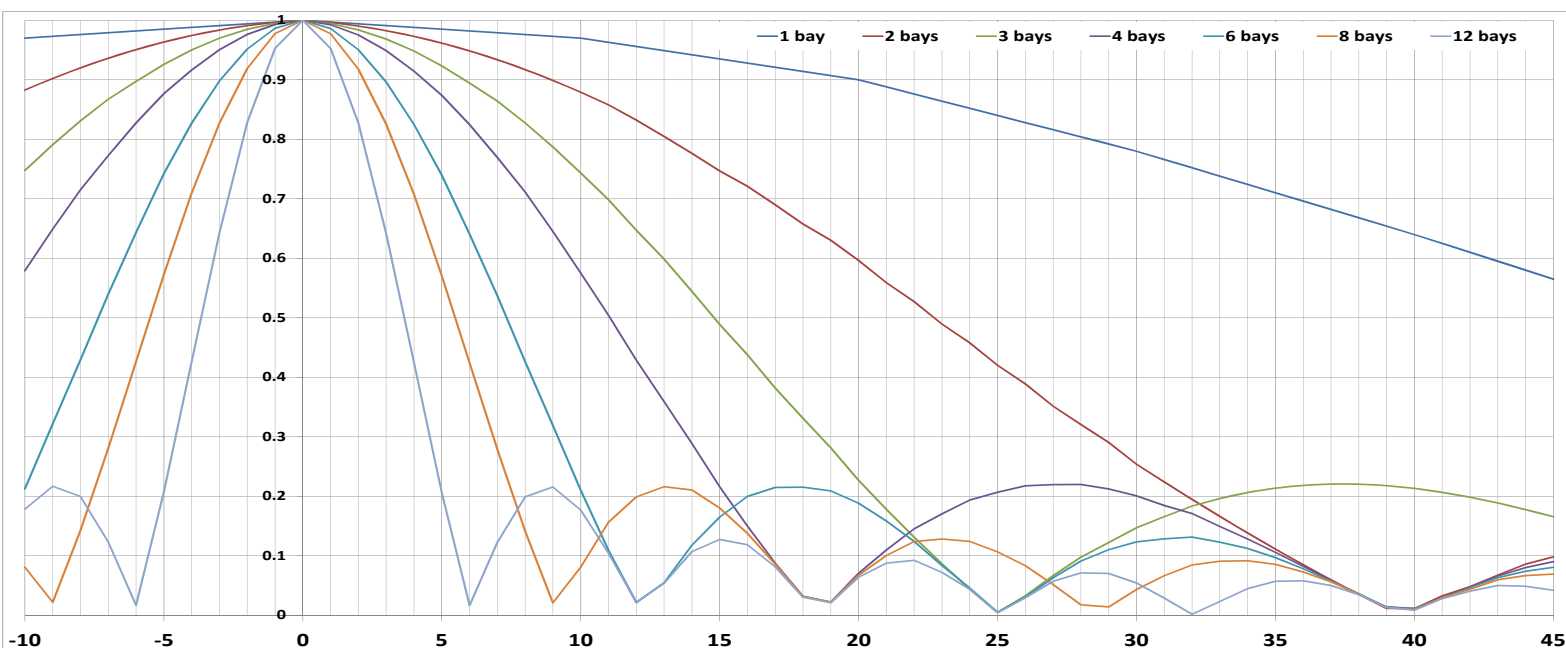
Arrays of FM Dipoles



Bays (Nr)	Gain (dBd)	Height (m/ft)	Weight (kg/lbs)*
1	4.4	2.1 (6.9)	29 (63.8)
2	7.4	4.5 (14.8)	58 (127.6)
3	9.2	6.9 (22.6)	87 (191.4)
4	10.4	9.3 (30.5)	116 (255.2)
6	12.2	14.1 (46.3)	174 (382.8)
8	13.4	18.9 (62)	232 (510.4)
12	15.2	28.5 (93.5)	348 (765.6)

* Pole, Power dividers, cables NOT considered

E/EM Vertical Radiation Patterns



I dati contenuti nel presente datasheet possono variare senza preavviso
Data on this datasheet can vary without previous notice

06/21