

PVH72000-PVHX2000 VHF & DAB 2 Dipoles Panel

VHF
Band III TV
DAB / DAB+

Operative Frequency
174 - 240 MHz

Input: 7/8" EIA
7-16 DIN

MAIN FEATURES

Product Code: PVH72000 (EIA 7/8") / PVHX2000 (DIN 7-16)

Electrical characteristics

Frequency Range	174 - 240 MHz
Input impedance	50 OHM
Polarization (depends on mounting)	Vertical/Horizontal
Gain	8 dBd (@ 200 MHz)
VSWR	<1.1
Max input Power PVH72000	3 kW (Input 7/8")
Max input Power PVHX2000	1 kW (Input 7-16)
all metal parts are ground connected	

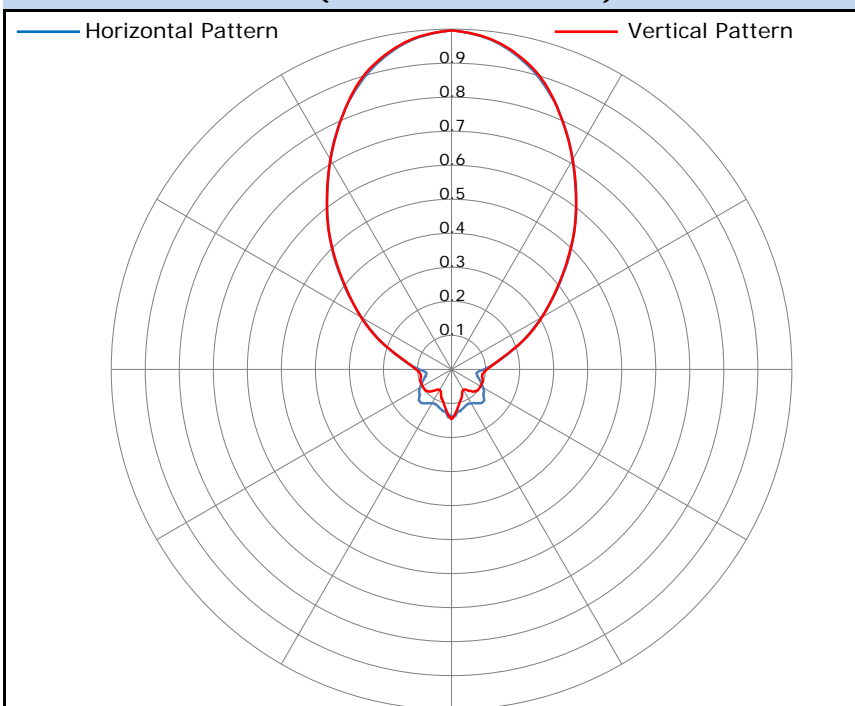
Mechanical characteristics

Input Connector PVH72000	EIA 7/8"
Input Connector PVHX2000	7-16 DIN Female
Weight/Mass	284.2 N (29 Kg 63.9 lbs)
Wind loads (wind=160 Kph)	800 N (Front thrust) 120 N (Side thrust H Pol.) 200 N (Side thrust V. Pol.)
Max Wind (survival)	200 Kph
Operating temperature	-50°C to +70°C
Mounting on tower face	(Optional Pole Brackets for Ø 89-114 pole)

Materials

External parts/Brackets	Hot Dip Galvanized Steel
Internal Lines/ Dipoles	Silver Plated Alu/Brass
Hardware	Stainless Steel

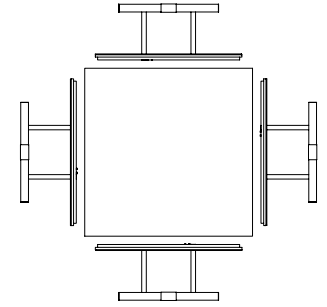
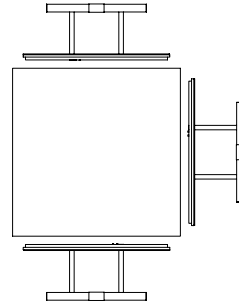
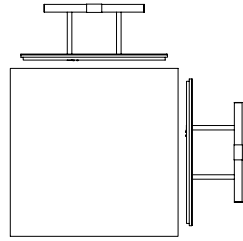
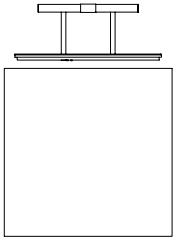
E/EM Radiation Patterns (Horizontal Polarization)



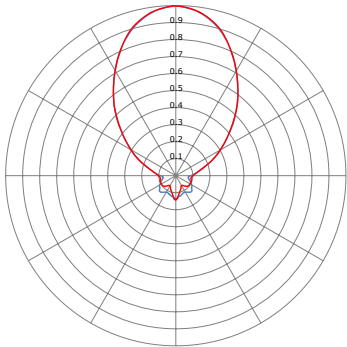
H: 1310 mm [51.6"] W: 1310 mm [51.6"] D: 481 mm [18.9"]

PVH72000-PVHX2000 VHF & DAB 2 Dipoles Panel- Typical Antenna Systems Patterns

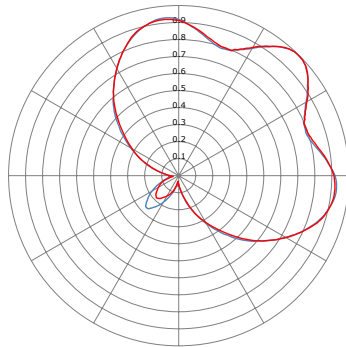
Arrays Data Table



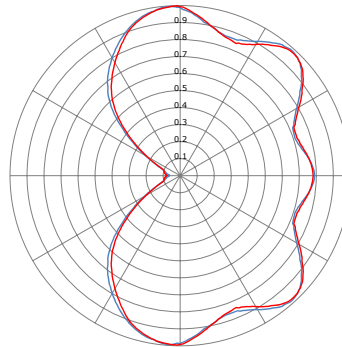
— Horizontal Pol.
— Vertical Pol.



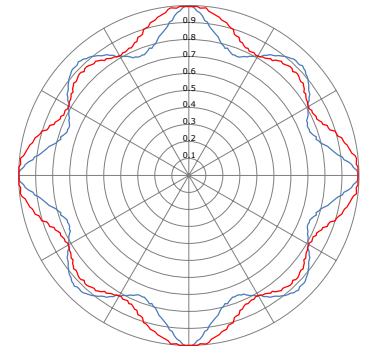
1 face



2 faces



3 faces



4 faces

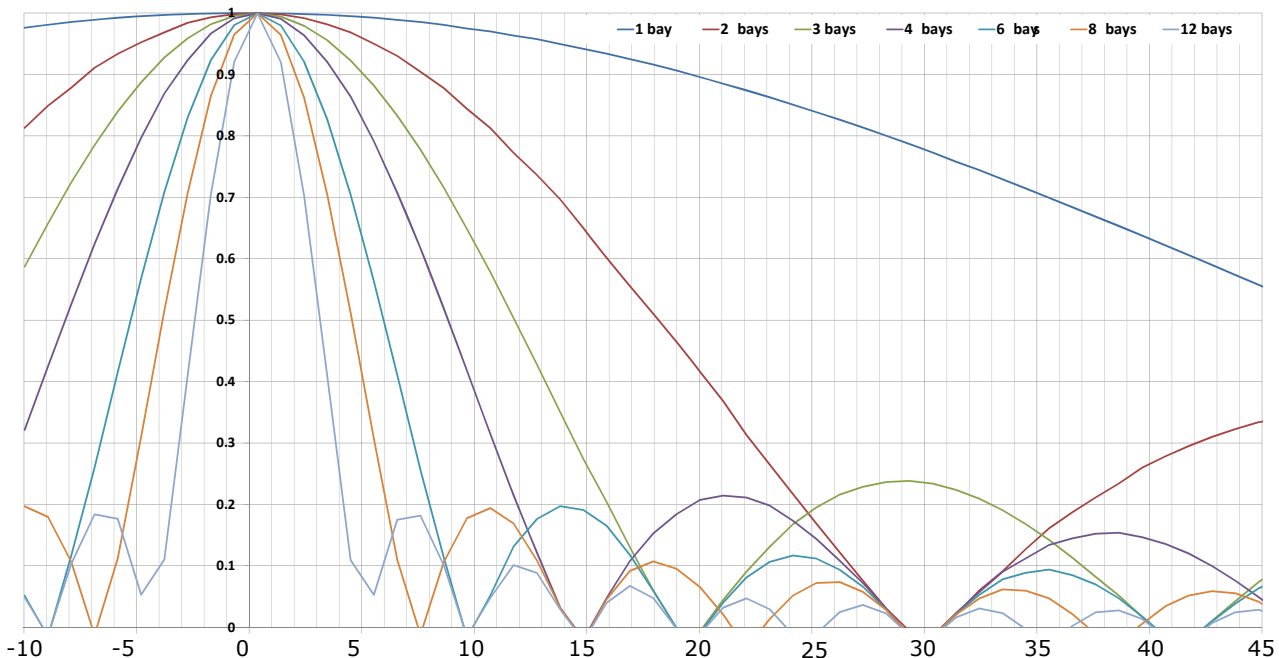
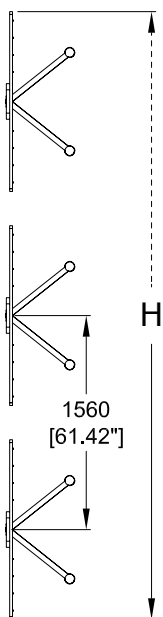
Bays	Gain dBd	Height (H) m	Weight kg
1	7.5	2.2	62
2	10.5	5.4	124
3	12.3	8.6	186
4	13.5	11.8	248
6	15.3	18.2	372
8	16.5	24.6	496
12	18.3	37.4	744

Bays	Gain dBd Hpol.(Vpol.)	Height (H) m	Weight kg
1	5.2 (3.9)	2.2	148
2	8.2 (6.9)	5.4	296
3	9.9 (8.6)	8.6	444
4	11.2 (9.9)	11.8	592
6	12.9 (11.6)	18.2	888
8	14.2 (12.9)	24.6	1184
12	15.9 (14.6)	37.4	1778

Bays	Gain dBd Hpol.(Vpol.)	Height (H) m	Weight kg
1	3.6 (3.3)	2.2	222
2	6.6 (6.3)	5.4	444
3	8.2 (7.9)	8.6	666
4	9.6 (9.3)	11.8	888
6	11.2 (10.9)	18.2	1332
8	12.6 (12.3)	24.6	1776
12	14.2 (13.9)	37.4	2664

Bays	Gain dBd Hpol.(Vpol.)	Height (H) m	Weight kg
1	2.2 (1.3)	2.2	296
2	5.2 (4.3)	5.4	592
3	7.0 (6.1)	8.6	888
4	8.2 (7.3)	11.8	1184
6	10.0 (9.1)	18.2	1776
8	11.2 (10.3)	24.6	2368
12	13.0 (12.1)	37.4	3552

E/EM Vertical Radiation Patterns (VERTICAL POL.)



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