

FM-DV2 Dipole Antenna



Electrical Data

Frequency range 87.5~108MHz

Impedance 50ohm

Connectors L27 female or 7/8'

Max Power 1KW(7/16' or 7/8')-3KW(7/8')

VSWR <1.25

Polarization Horizontal or Vertical

Gain 4.5dB(referred to half-wave dipole)

Half power beam width E plane 320,H plane 580

Lightning protection All metal parts DC grounded

Mechanical Data

Dimensions	2000*1400*1075mm
Weight	32kg ref. stainless steel
Wind surface	0.13m ² (side)
	0.56m ² (front)
Wind load	108kg(front-wind speed at 160km/h)
Maximum wind velocity	200km/h
Materials	Reflector: hot dip. galvanized
	Dipole: stainless steel
	Internal parts: passivity aluminum
	Radome: fiberglass (Option)
Mounting	With special pipe clamps 50~110mm dia.

Bay	Face	Gain		Weight kg	Height L m	Wind Load (v=160 km/h) kg	Linear Array			
		dB	times				1 KW	3 KW	5 KW	10 KW
1	1	4.5	2.8	32	2	108	FM-DV2X11			
2	1	7.5	5.6	64	4.6	216	FM-DV2X21	FM-DV2X23		
3	1	9.3	8.4	96	7.2	324	FM-DV2X31	FM-DV2X33	FM-DV2X35	
4	1	10.5	11.3	128	9.8	432	FM-DV2X41	FM-DV2X43	FM-DV2X45	FM-DV2X410
6	1	12.3	16.9	192	15.0	678	FM-DV2X61	FM-DV2X63	FM-DV2X65	FM-DV2X610
8	1	13.5	22.5	256	20.2	864	FM-DV2X81	FM-DV2X83	FM-DV2X85	FM-DV2X810

