



141-174 MHz Vertical antennas F2 VHF (L, LM, M, H)

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Electrical specifications

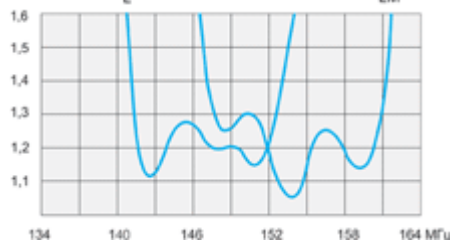
Model	F2 VHF (L)	F2 VHF(LM)	F2 VHF (M)	F2 VHF (H)
Operating frequency band, MHz	141-153	146-158	154-165	163-174
VSWR, not more than			1.5	
Gain, dBi			5.15	
Sector in vertical plane , -3dB			38°	
Impedance, Ohm			50	
Max. power input, W			400	
Lightning protection			yes	
Adjustable			no need	

Mechanical specifications

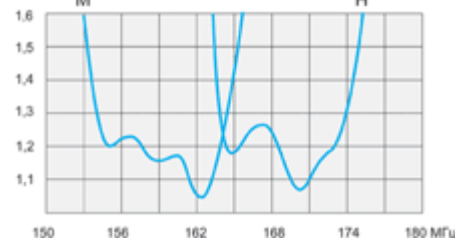
Model	F2 VHF (L)	F2 VHF(LM)	F2 VHF (M)	F2 VHF (H)
Weight, kg			3.15	
Height/Length, mm			3160	
Mast diametr, mm			50-110	
Radome			fiberglass	
Rated wind velocity, m/s			40	
Wind loading area, m ²			0.16	
Load of side wind 40 m/s, H			180	
Temperature range, °C			from -50 to +50	
Connector			N-female, (7/16 DIN-optional)	

Antenna F2 VHF is used in telecommunications systems, which are required to provide operation in satisfactory wide bandwidth at omni directional pattern. This antenna will be irreplaceable for operation of single-feeder design trunking and conventional repeaters. Radioparent, weatherproof, high-strength radome is made using fiberglass material on polyester binding substances. The radome has polyurethane coating protecting from ultraviolet radiation and icing. Antenna has protection from lightning and does not demand additional adjustment.

VSWR diagram, F2 VHF(L), F2 VHF(LM)



VSWR diagram, F2 VHF(M), F2 VHF(H)



F2 VHF (L, M, H) E-plane pattern

