



## 90-110 MHz Dipole antennas DS8-FM(L), DS8-FM(H) DS8-FM(L)-2, DS8-FM(H)-2

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### Electrical specifications

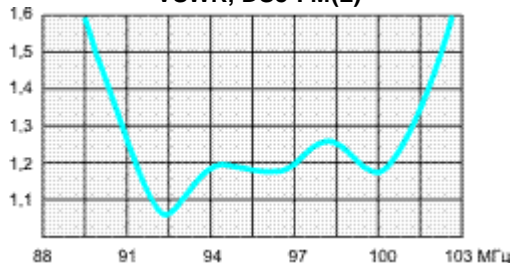
Model	DS8-FM(L)	DS8-FM(H)	DS8-FM(L)-2	DS8-FM(H)-2
Operating frequency band, MHz	90-101	100-110	90-101	100-110
VSWR, not more than	1.5	1.5	1.5	1,5
Gain, dBi	9.15	9.15	9.15	9.15
Sector in H-plane , -3dB	360°	360°	360°	360°
Sector in E-plane , -3dB	20°	20°	20°	20°
Impedance, Ohm	50	50	50	50
Max. power input, W	500	500	2000	2000

### Mechanical specifications

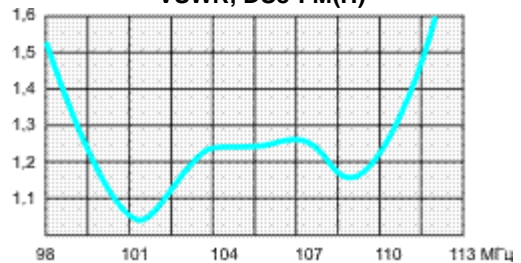
Model	DS8-FM(L)	DS8-FM(H)	DS8-FM(L)-2	DS8-FM(H)-2
Weight, kg	20	19.5	22.5	22
Height/Length, M	8.4	8.4	8.4	8.4
Construction material	Aluminium alloy			
Mast diametr, mm	50-60	50-60	50-60	50-60
Rated wind velocity, m/s	55	55	55	55
Wind loading area, m <sup>2</sup>	0.3	0.3	0.3	0.3
Load of side wind 45 m/s, H	250	250	250	250
Rated wind velocity with 0.5" icing, m/s	28	28	28	28
Temperature range, °C	from -50 to +50			
Connector	N-female	N-female	7/16 DIN	7/16 DIN



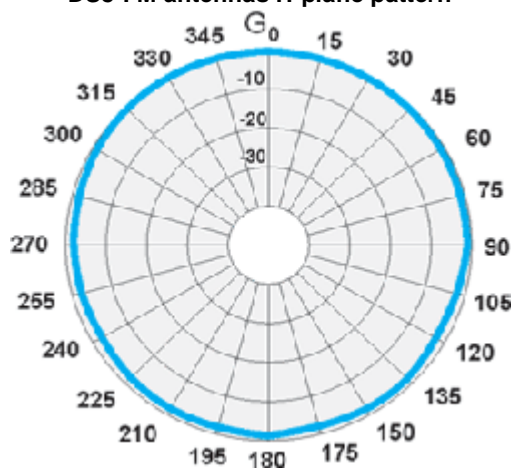
VSWR, DS8-FM(L)



VSWR, DS8-FM(H)



DS8-FM antennas H-plane pattern



DS8-FM antennas E-plane pattern

