



37-50 MHz Mobile duplexers MDF-6LB

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Electrical specifications

Model	MDF-6LB(M)	MDF-6LB(H)
Operating Frequency band, MHz	37-44	42.5-50
Insertion loss (adjustable) not more, dB		1.5
Frequency separation TX/RX (min), MHz		3
Impedance, Ohm		50
Isolation, not less, dB		90
VSWR, not more than		1,5
Input power, not more, W		not more than 150
Temperature Range, °C		from -30 to +50

Mechanical specifications

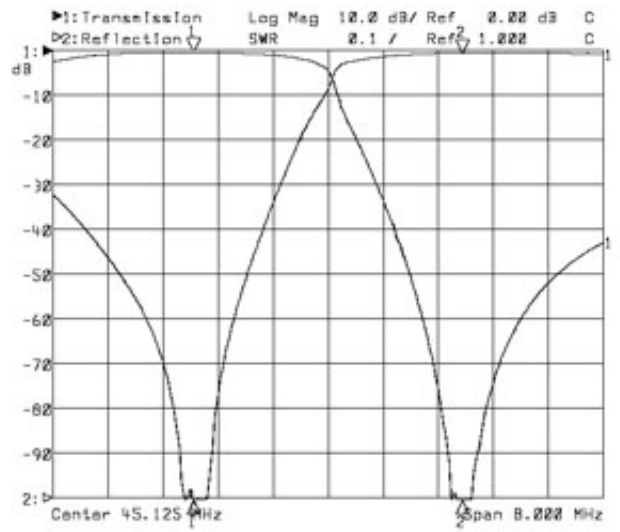
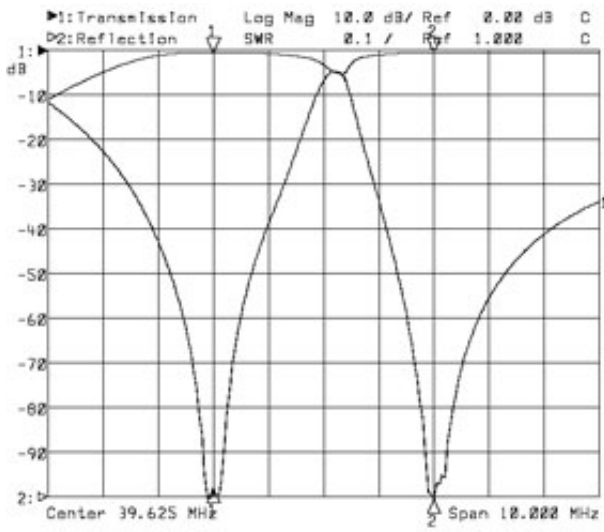
Model	MDF-6LB(M)	MDF-6LB(H)
Weight, kg	5.8	5.5
Connector		N-female
Length/Width/Depth, mm	415x315x60	385x315x60

For the operation of repeaters in low-frequency range VHF we have developed and launched the manufacturing of a duplexer on the spiral resonators. Two model of duplexers are being produced: MDF-6LB(M) - for the range 37-44 MHz and MDF-6LB(H) - for the upper range 42,5-50 MHz. With the separation of 3-4-MHz they provide a fully-duplex mode of operation of mobile radio stations at minimum losses and standard output power 150 Wt. This construction is significantly less in sizes than the fully-sized duplexer made on the basis of of the volume resonators. The duplexer MDF-6LB is recommended to be used jointly with our new antenna GPW-1LB.

Typical MDF-6LB(M) duplexer response curves

MDF-6LB(M)

MDF-6LB(H)



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