



Filters LB

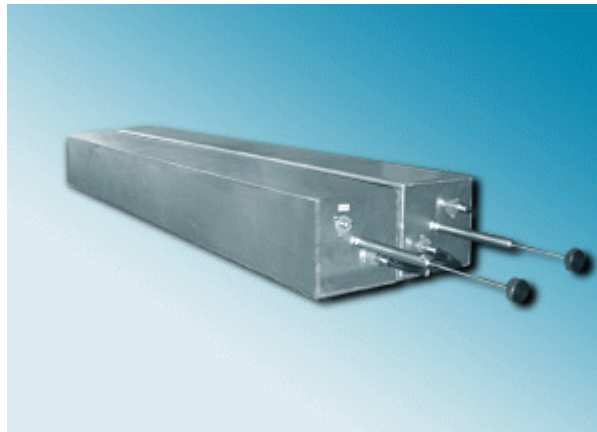
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Model	Short description	Band, MHz
PF8-2LB(L)	Dual Cavity, 8", N-fem, 200 W, $1/4\lambda$	30-40
PF8-2LB(H)	Dual Cavity, 8", N-fem, 200 W, $1/4\lambda$	38-48
PRF4-2LB(L)	Dual Cavity, 4", N-fem., -75 dB @ Δf BP/BR=1,5 MHz	30-40
PRF4-2LB(H)	Dual Cavity, 4", N-fem., -75 dB @ Δf BP/BR=1,5 MHz	38-48

2009



30-48 MHz Bandpass filter PF8-2LB



Electrical specifications

Model	PF8-2LB(L)	PF8-2LB(H)
Operating frequency band, MHz	30-40	38-48
Insertion loss (adjustable), dB		0,5-3
Impedance, Ohm		50
Attenuation		see fig.
VSWR, not more than		1,2
Input power, not more, W		not more than 200
Temperature range °C		from -30 to +60
Cavity electrical length		1/4λ

Mechanical specifications

Model	PF8-2LB(L)	PF8-2LB(H)
Diameter, mm (ins.)		200x200 (8"x8")
Weight, kg	38,7	33,7
Connector		N-female
Mount to 19-inch rack		for order
Length/Width/Depth, mm	200x480x2780	200x480x2480

The application of enhanced quality-factor (of diameter 8") for construction of bandpass filters and bandpass duplexers within the range Low Band makes it possible to increase the selectivity of receivers, to decrease the influence of out-of-band interference.

Typical selectivity characteristics PF8-2LB

