



Description

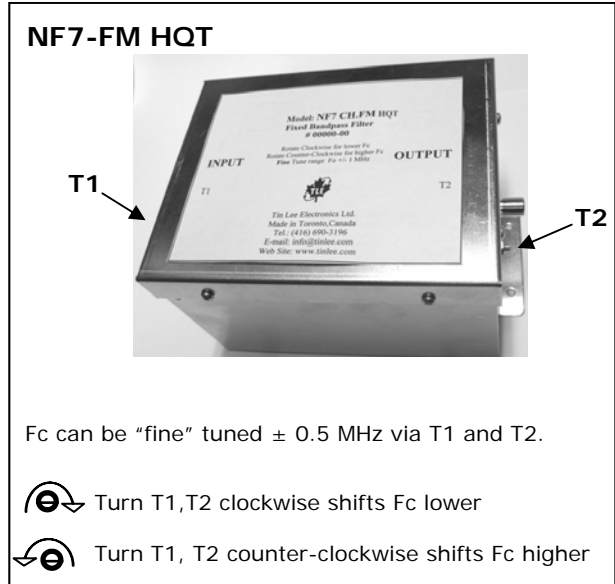
Model NF7-FM HQT is a fixed FM Narrow Band pass filter, designed to pass a User specified FM signal (Fc), and reject adjacent signals as close as $F_c \pm 1$ MHz by 20dB .

- Narrow Pass band: <0.5 MHz
- Pass band Thru loss: 3.5 to 3.75 dB
- Stop band: $F_c \pm 1.0$ MHz, >18dB; $F_c \pm 2.0$ MHz, >30 dB
- Stop band: 5 to 80 MHz, 116-30,0>50 dB.
- Option: Internal lowpass >50 dB stopband to 1000 MHz
- Connectors: F-75 ohms (50 ohms N, BNC, sma available)

Order as: NF7-(Fc)-HQT

Specify Fc—any frequency from 86-110 MHz.

Ex: NF7-99.9-HQT N50-LP (FM bandpass for $F_c = 99.9$ MHz with N connectors 50 ohms, and stopband to 1000MHz)



Specifications

Frequency	Insertion Loss	VSWR	Return Loss (dB)	Attenuation 20dB	-3dB Bandwidth
88 MHz	3.75 dB	1.38:1	>16	± 0.9 MHz	0.4 MHz
99 MHz	3.5 dB	1.29:1	>18	± 1.0 MHz	0.4 MHz
108 MHz	3.5 dB	1.38:1	>16	± 1.15 MHz	0.5 MHz
Fine Tune Range		Fc ± 0.5 MHz			
Attenuation (>50dB)		5 to 80MHz & 120 to 300MHz (add lowpass option for 1000 MHz stopband)			
RF power: 1 Watts		Dimensions (l/w/h): 6.5 x 4.5 x 3.5 (in), 16.5x 11x 9 (cm)			
Connectors: 75 ohms Impedance		F-type female; optional BNC (female)			
Connectors: 50 ohms Impedance		BNC; N; SMA (female)			

Example Frequency Response @104 MHz

