

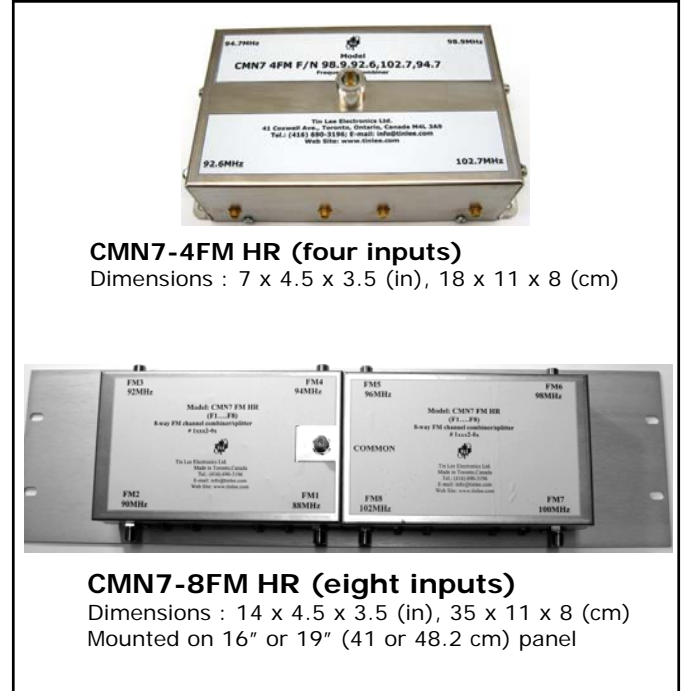
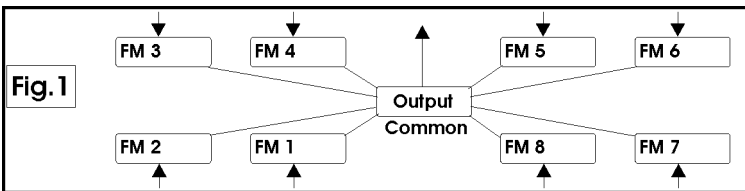


Description

CMN7-FM HR is a custom FM channel multiplexer. It can provide up to 8 inputs. All inputs are bandpass filtered (two HQ helical resonators) and joined at common port (see fig.1). Each input must be separated by minimum of 2 MHz. Each input (F1...F8) is factory tuned to User specified frequency.

- RF power handling: 25 watts max (3.0 watts/ channel for 8 inputs)
- FM carrier loss: 2.5dB (channel separation >2 MHz)
- Selectivity: > 20dB rejection \pm 2 MHz Fc
- Connectors/Impedance: F (female) - 75 ohms
- Input frequency (Fo) can be factory returned

Block diagram of CMN7-8FM HR



SPECIFICATIONS

Input Frequency 88 to 108 MHz	Insertion Loss 2.5 dB	VSWR <1.38:1	Return Loss >16db	Attenuation (20dB) \pm 2.0 MHz	-3dB Bandwidth 0.5 MHz
Operating temperature: 0°C to 35°C		Attenuation (>50dB): 5 to 80MHz and 118 to 450MHz			
Selectivity: Fc \pm 2 MHz allows for <2.5 MHz insertion loss @ Fc, >16 dB R.L., >20 dB isolation between next channel					
RF power: 25 Watts total		Connectors/Impedance Options: 50 ohms BNC or N			

Example Input Response at 100 MHz

