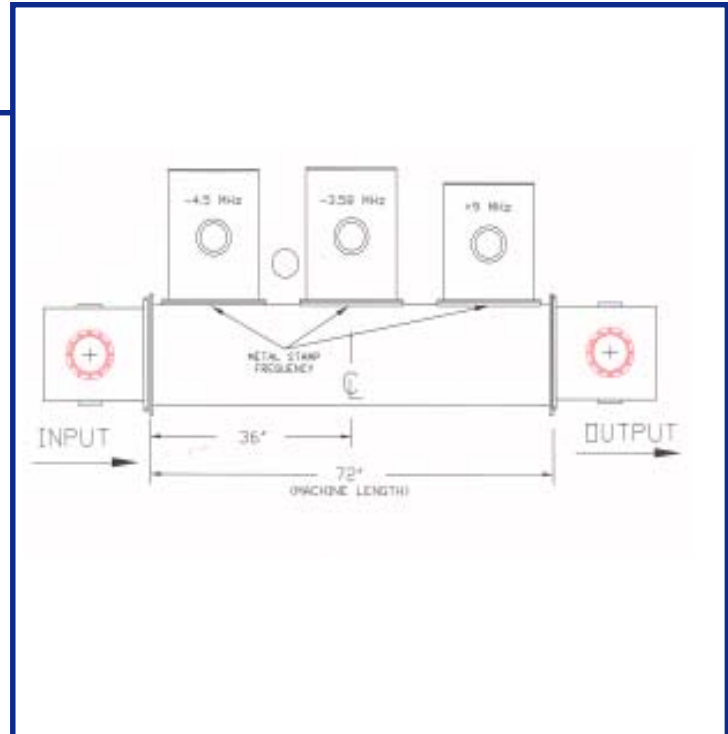




INTERMOD FILTER

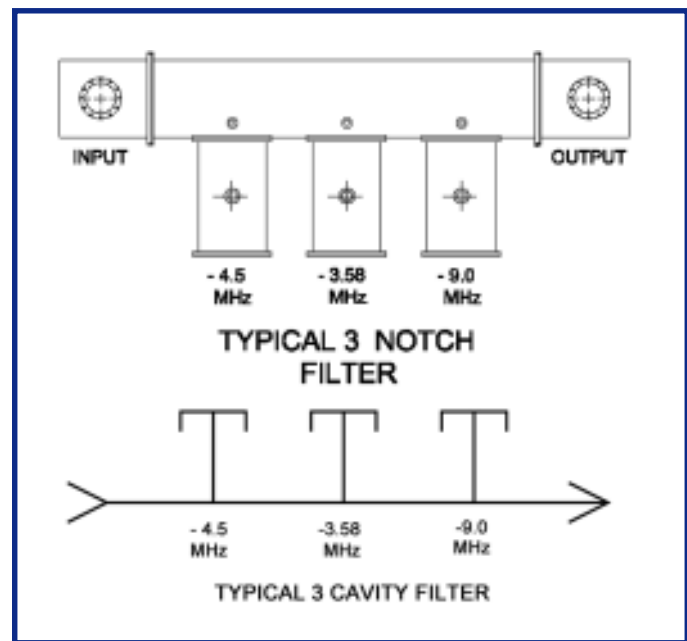
- Ideal for Multiplex Operation
- Suppress Unwanted Signals
- Reduce Out-of-Band Products
- Reduce Mobile Radio Interference
- High Reliability
- All Waveguide Construction



MCI's notch type I/M filter is designed to suppress spurious signals created in transmitters when operating in multiplex mode.

The notches provide a wider rejection width than conventional traps. Low VSWR and insertion loss are provided to the visual and aural signals. All waveguide construction yields high reliability and high power handling capability.

I/M filters are normally supplied with (3) cavities tuned to - 3.58 – 4.5 and + 9.0 MHz. Other traps are available on request, including those for CCIR applications.





SPECIFICATIONS
VSWR: 1.08:1 Over Passband Insertion Loss: 0.1 dB Over Passband Rejection: 30 dB at Notch Frequency

	UHF		
FREQUENCY (MHz)	470 – 608	566 – 728	698 – 860
CHANNEL RANGE	14-36	30-56	52-69
MODEL	42119	42118	42117
SIZE	WR1800	WR1500	WR1150
POWER (peak)	280kW	280kW	280kW
SIZE in	76 x 17 x 44	65 x 15 x 36	59 x 13 x 28
(mm)	(1930x432x1118)	(1651x381x914)	(1498x330x711)
WEIGHT lbs	120	100	80
(kg)	(54)	(45)	(36)
INPUT/OUTPUT FLANGES	WR1800	WR1500	WR1150
MODEL	42109	42108	42107
SIZE	WR1800	WR1500	WR1150
POWER (peak)	170kW	120kW	85kW
SIZE in	100 x 17 x 44	85 x 15 x 36	75 x 13 x 28
(mm)	(2540x432x1118)	(2159x381x914)	(1930x330x711)
WEIGHT lbs	160	140	120
(kg)	(73)	(64)	(54)
INPUT/OUTPUT FLANGES	8 ² / ₁₆ EIA	7 ³ / ₁₆ EIA	6 ¹ / ₈ EIA

All specifications are subject to change without notice.

