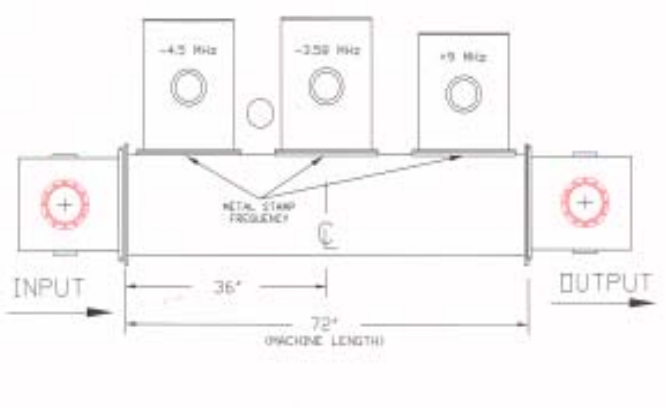
Micro Communications, Inc.

INTERMOD FILTER

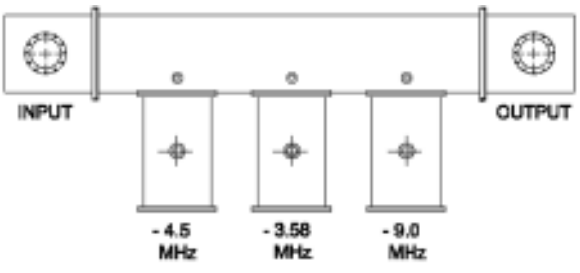
- Ideal for Multiplex Operation
- Suppress Unwanted Signals
- Reduce Out-of-Band Products
- Reduce Mobile Radio Interference
- High Reliability
- All Waveguide Construction



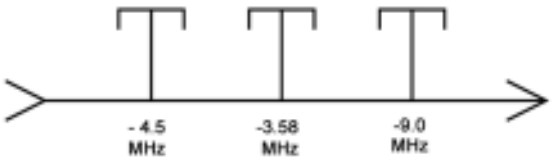
MCI's notch type I/M filter is designed to suppress spurious signals created in transmitters when operating in multiplex mode.

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.



TYPICAL 3 NOTCH FILTER



TYPICAL 3 CAVITY FILTER

Micro Communications, Inc.

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 **SIZE** **POWER (peak)** **SIZE in** **(mm)** **WEIGHT lbs** **(kg)** **INPUT/OUTPUT FLANGES**	42119 WR1800 280kW 76 x 17 x 44 (1930x432x1118) 120 (54) WR1800	42118 WR1500 280kW 65 x 15 x 36 (1651x381x914) 100 (45) WR1500	42117 WR1150 280kW 59 x 13 x 28 (1498x330x711) 80 (36) WR1150
MODEL **POWER (peak)** **SIZE in** **(mm)** **WEIGHT lbs** **(kg)** **INPUT/OUTPUT FLANGES**	42109 WR1800 170kW 100 x 17 x 44 (2540x432x1118) 160 (73) $8\ ^{2}/_{16}$ EIA	42108 WR1500 120kW 85 x 15 x 36 (2159x381x914) 140 (64) $7\ ^{3}/_{16}$ EIA	42107 WR1150 85kW 75 x 13 x 28 (1930x330x711) 120 (54) $6\ ^{1}/_{8}$ EIA

All specifications are subject to change without notice.

Micro Communications, Inc - A Mega Industries Company
28 Sanford Dr. Gorham Maine 04038 Phone: 207.854.1700 Fax: 207.854.2287
Email: sales@megaind.com Web: www.megaind.com