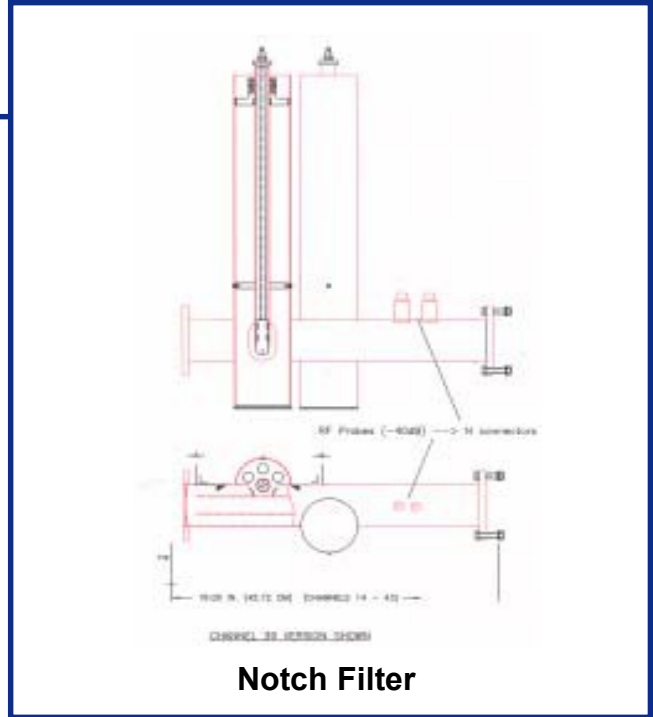


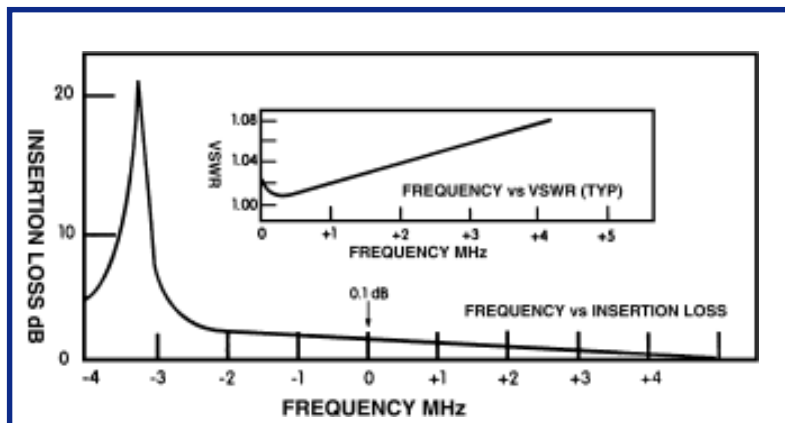


NOTCH FILTERS

- Independent of Diplexer
- Low Insertion Loss (0.1 dB)
- No Cooling Required
- High Power Handling Capability
- Single Cavity
- Can be Located Anywhere in the Transmission Line.



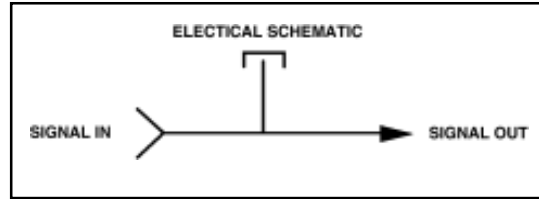
The MCI Notch Filter is designed to reject the lower subcarrier; it can also be used to suppress intermode products in TV or FM transmitters. This High-Q Band reject cavity is capacitively coupled to the main line, normally operated in the $\pi/4$ mode. The loaded Q can be adjustable for applications where required. Because of its compact size the MCI Color Notch Filter, when used to suppress the -3.58 MHz color subcarrier, can be mounted anywhere in the transmission line. The low passband VSWR is obtained with a single cavity.





SPECIFICATIONS	
Frequency:	Specify Channel
Insertion Loss:	0.1 dB (98% efficiency)
Rejection:	20 dB minimum
VSWR:	1.10 over Passband
Cooling:	None

**SERIES 42000
NOTCH FILTERS**



	VHF			FM	UHF
FREQUENCY (MHz)	54-72	76-88	174-216	88-108	470-860
CHANNEL RANGE	2-4	5-6	7-13	201-300	UHF
MODEL	42135	42125	42115	42145	CONSULT FACTORY
POWER	215 kW	195 kW	120 kW	170 kW	
SIZE	70x60x8	60x46x8	36x25x8	60x46x8	
WEIGHT	75	55	50	50	
CONNECTORS EIA	6 1/8	6 1/8	6 1/8	6 1/8	
MODEL	42234	42224	42214	42144	42104
POWER	65 kW	55 kW	35 kW	45 kW	20 kW
SIZE	70x60x4	60x46x4	36x25x4	60x46x4	18x18x5
WEIGHT	50	35	35	35	35
CONNECTORS EIA	3 1/8	3 1/8	3 1/8	3 1/8	3 1/8
MODEL	42433	42423	42413	42143	42103
POWER	18 kW	16 kW	10 kW	10 kW	5 kW
SIZE	70x60x3	60x46x3	36x25x3	60x46x3	18x18x3
WEIGHT	30	20	18	18	18
CONNECTORS EIA	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8

All specifications are subject to change without notice

70kW UHF model available: Contact Factory



Microwave Techniques, LLC | 28 Sanford Drive, Gorham, ME 04038
Email: sales@microwavetechniques.com | Phone: 1-207-854-1700