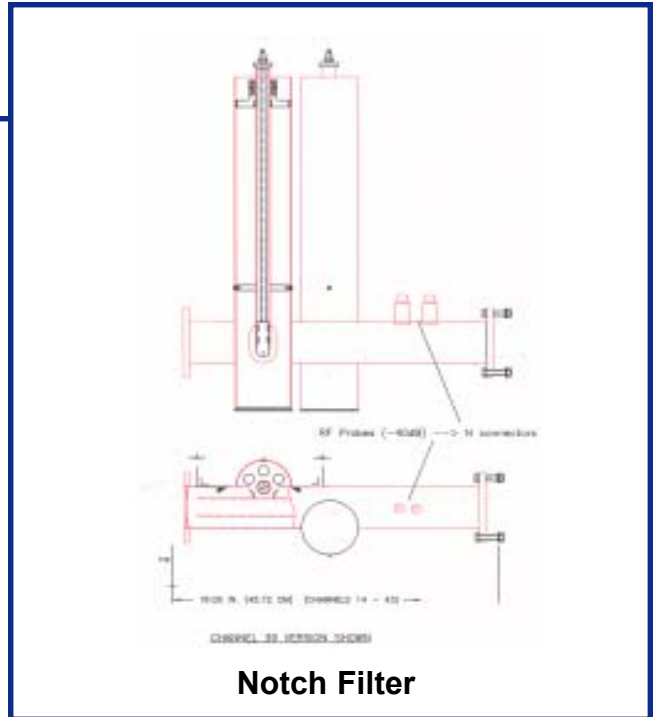


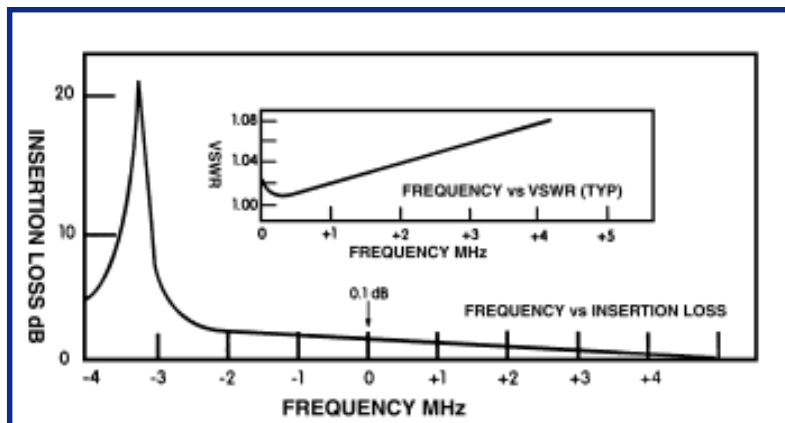


NOTCH FILTERS

- 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.

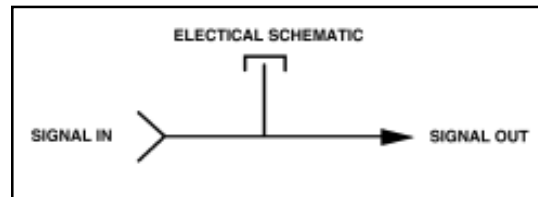


The MCI Notch Filter is designed to reject the lower subcarrier; it can also be used to suppress intermode products in TV or FM transmitters. This High-Q Band reject cavity is capacitively coupled to the main line, normally operated in the $\pi/4$ mode. The loaded Q can be adjustable for applications 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



	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 in (mm)	70x60x8 (1778x1524x203)	60x46x8 (1524x1168x203)	36x25x8 (914x635x203)	60x46x8 (1524x1168x203)	
WEIGHT lbs (kgs)	75 (34)	55 (25)	50 (23)	50 (23)	
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 in (mm)	70x60x4 (1778x1524x102)	60x46x4 (1524x1168x102)	36x25x4 (914x635x102)	60x46x4 (1524x1168x102)	18x18x5 (457x457x127)
WEIGHT lbs (kgs)	50 (23)	35 (16)	35 (16)	35 (16)	35 (16)
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 in (mm)	70x60x3 (1778x1524x76)	60x46x3 (1524x1168x76)	36x25x3 (914x635x76)	60x46x3 (1524x1168x76)	18x18x3 (457x457x76)
WEIGHT lbs (kgs)	30 (14)	20 (9)	18 (8)	18 (8)	18 (8)
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



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