



Micro Communications, Inc.

SERIES 42900

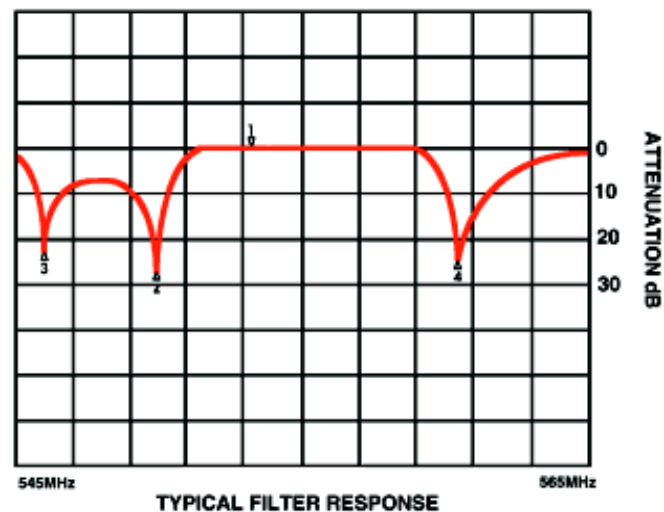
MULTIPLE NOTCH FILTERS

- Low Loss
- Low Cost
- 2-8 Notches in One
- Low VSWR
- Compact

The MCI Multiple Notch Filter is designed to be a low cost, compact cavity assembly. A specially designed outer housing contains the high Q resonant cavities. Each cavity is an independent entity and can be fine tuned in the field.

The three-notch design is ideal for solid state transmitters that need to suppress out-of-band energy. Typical notch frequencies are -7.16, -3.58 and +7.16 MHz. The filter can also be designed to incorporate as little as one and as many as eight different notches. Two notches can be stagger tuned around a particular frequency if a broader bandwidth of rejection is needed.

Standard EIA connections are available. Power levels from 2 kW to 30 kW are available. The MCI filter can be used in VHF, FM and UHF applications.





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**SERIES 42900
MULTIPLE NOTCH FILTER**

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

	VHF			FM	UHF
FREQUENCY MHz	52-72	76-88	174-216	88-108	470-860
CHANNEL RANGE	2-4	5-6	7-13	201-300	14-69
MODEL	42934	42924	42914	42944	42904
POWER	30 kW	30 kW	20/30kW	20kW	20/30kW
SIZE	70x60x18	90x50x6	50x30x6	64x44x6	36x20x6
	(mm) (1778x1524x457)	(2286x1270x152)	(1270x762x152)	(1626x1118x152)	(914x508x152)
WEIGHT	120	100	80	80	40
	(lbs) (54)	(45)	(36)	(36)	(18)
CONNECTORS EIA	3 1/8	3 1/8	3 1/8	3 1/8	3 1/8 or 4 1/16
MODEL	42933	42923	42913	42943	42903
POWER	10/20 kW	10/20 kW	5/10 kW	10 kW	2/5 kW
SIZE	70x60x18	90x50x6	50x30x6	64x44x6	36x20x4
	(mm) (1778x1524x457)	(2286x1270x152)	(1270x762x152)	(1626x1118x152)	(914x508x102)
WEIGHT	120	100	80	80	35
	(lbs) (54)	(45)	(36)	(36)	(16)
CONNECTORS EIA	1 5/8	1 5/8	1 5/8	1 5/8	1 5/8

70 kW UHF model available: Contact Factory.

All specifications are subject to change without notice.



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