



Micro Communications, Inc.

Microwave A MICROWAVE TECHNIQUES COMPANY

SERIES 42900

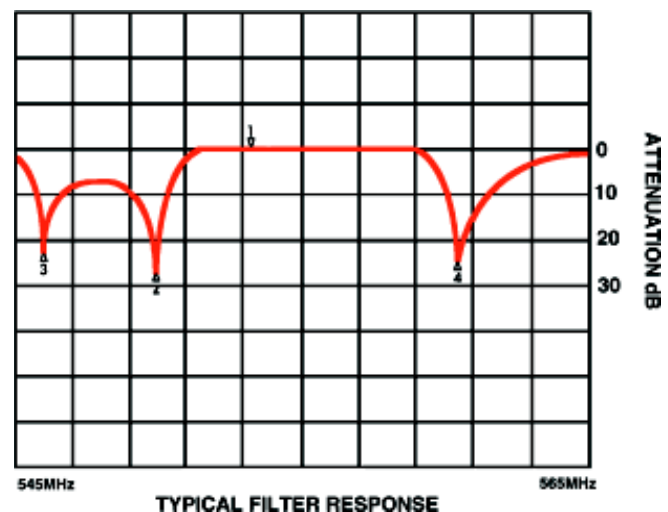
MULTIPLE NOTCH FILTERS

- 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	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
	70x60x18 (1778x1524x457)	90x50x6 (2286x1270x152)	50x30x6 (1270x762x152)	64x44x6 (1626x1118x152)	36x20x6 (914x508x152)
WEIGHT	lbs (kgs)	lbs (kgs)	lbs (kgs)	lbs (kgs)	lbs (kgs)
	120 (54)	100 (45)	80 (36)	80 (36)	40 (18)
CONNECTOR SEIA	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	in (mm)	in (mm)	in (mm)	in (mm)	in (mm)
	70x60x18 (1778x1524x457)	90x50x6 (2286x1270x152)	50x30x6 (1270x762x152)	64x44x6 (1626x1118x152)	36x20x4 (914x508x102)
WEIGHT	lbs (kgs)	lbs (kgs)	lbs (kgs)	lbs (kgs)	lbs (kgs)
	120 (54)	100 (45)	80 (36)	80 (36)	35 (16)
CONNECTOR SEIA	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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