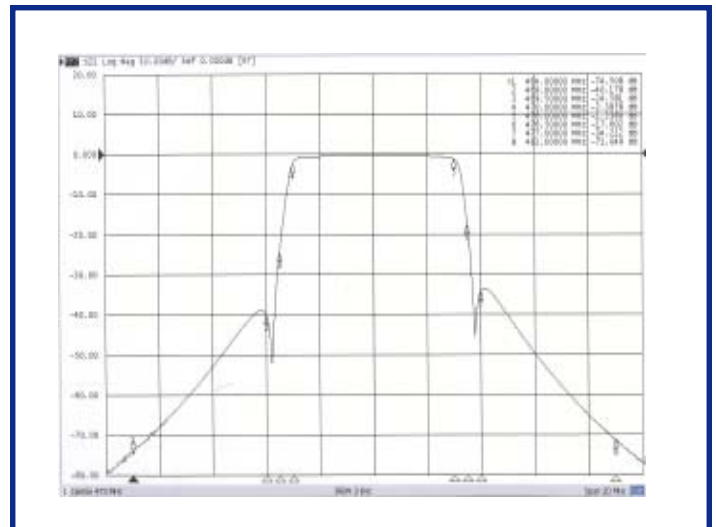
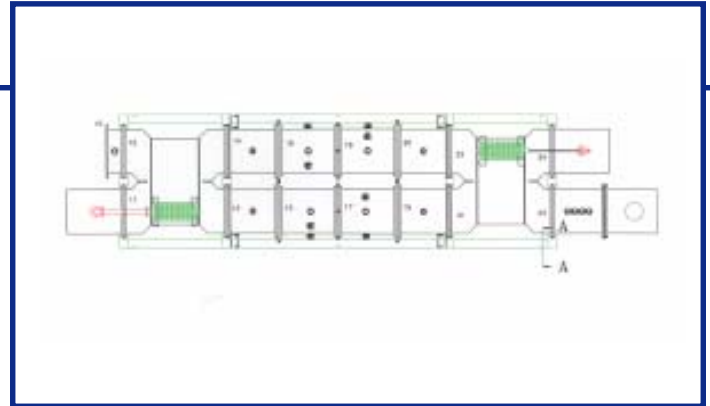




UHF HIGH POWER CONSTANT DTV MASK IMPEDANCE FILTER

- Low Insertion Loss
- Low VSWR
- High Isolation
- Dual Mode Filter design
- DTV Mask Compliant

MCI's High Power Constant Impedance DTV Mask Filter is designed to permit the use of common amplification in UHF transmitters. The dual mode filter is used in broadcast systems where strict DTV or DVB requirements are needed. Dual mode circular waveguide bandpass filter offer superior bandpass filter response and low insertion loss. The MCI filter attenuates and absorbs this out of band emission that cause problems. The MCI filter is also designed to provide a constant VSWR to the transmitter. The response of the MCI filter is tailored to the output of the transmitter and will attenuate out of band emissions per regulatory requirements. Power applications to 240kW are available.





SERIES 49100
UHF DUAL MODE CONSTANT IMPEDANCE BANDPASS FILTER

SPECIFICATIONS	
VSWR:	1.08:1 over channel
Frequency:	UHF band specify channel
Insertion Loss:	0.15-0.25 dB max
Rejection:	see plot
Isolation:	
to reject	-20 dB or more
to ballast	-30 dB or more
Impedance:	50 ohms
Connections:	Coax or Waveguide

		UHF		
FREQUENCY (MHz)		470-500	500-704	704-860
CHANNELS - USA		14-18	19-52	52-68
MODEL		49139	49138	49137
MAX POWER		80-240kW (peak Vis)	80-240kW (peak Vis)	80-240kW (peak Vis)
SIZE	in (cm)	165x60x40 (420x153x102)	145x50x34 (368x127x86)	125x46x34 (318x118x66)
WEIGHT	lbs (kg)	780 (354)	650 (295)	600 (272)
CONNECTORS		WR1800	WR1500	WR1150
MODEL		49129	49128	49127
MAX POWER		40-60kW (peak Vis)	40-60kW (peak Vis)	40-60kW (peak Vis)
SIZE	in (cm)	90x56x44 (228x143x112)	85x48x38 (216x122x96)	80x40x28 (204x102x72)
WEIGHT	lbs (kg)	480 (220)	450 (204)	420 (190)
CONNECTORS		4 1/16 or 6 1/8	4 1/16 or 6 1/8	4 1/16 or 6 1/8
MODEL		49119	49118	49117
MAX POWER		20-30kW (peak Vis)	20-30kW (peak Vis)	20-30kW (peak Vis)
SIZE	in (cm)	90x56x44 (228x143x112)	85x48x38 (216x122x96)	80x40x28 (204x102x72)
WEIGHT	lbs (kg)	460 (210)	430 (195)	400 (182)
CONNECTORS		3 1/8	3 1/8	3 1/8

All specifications are subject to change without notice.

- Options available:
- Wattmeter
 - Couplers
 - Fine Matchers
 - Output A/B Switch
 - Test Load



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