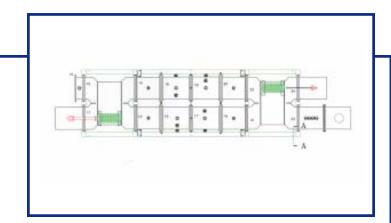
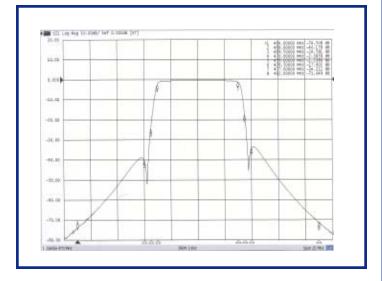


UHF HIGH POWER CONSTANT DTV MASK IMPEDANCE FILTER

- 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 respone and low insertion loss. The MCI filter attenuates and absorbs this out of band emmision 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.







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 - US	SA SA	14-18	19-52	52-68
MODEL MAX POWER	•	49139 80-240kW (peak Vis)	49138 80-240kW (peak Vis)	49137 80-240kW (peak Vis)
SIZE	in (cm) Ibs (kg)	165x60x40 (420x153x102) 780 (354)	145x50x34 (368x127x86) 650 (295)	125x46x34 (318x118x66) 600 (272)
CONNECTORS	(9)	WR1800	WR1500	WR1150
MODEL MAX POWER		49129 40-60kW (peak Vis)	49128 40-60kW (peak Vis)	49127 40-60kW (peak Vis)
SIZE WEIGHT	in (cm) Ibs	90x56x44 (228x143x112) 480	85x48x38 (216x122x96) 450	80x40x28 (204x102x72) 420
CONNECTORS	(kg)	(220) 4 1/16 or 6 1/8	(204) 4 1/16 or 6 1/8	(190) 4 1/16 or 6 1/8
MODEL MAX POWER		49119 20-30kW (peak Vis)	49118 20-30kW (peak Vis)	49117 20-30kW (peak Vis)
SIZE	in (cm) lbs	90x56x44 (228x143x112) 460	85x48x38 (216x122x96) 430	80x40x28 (204x102x72) 400
CONNECTORS	(kg)	(210) 3 1/8	(195) 3 1/8	(182) 3 1/8

All specifications are subject to change without notice.

Options available: Wattmeter Couplers

Wattmeter Couplers Fine Matchers Output A/B Switch Test Load

