Filters

DUAL-MODE FILTER

MYAT, INC.
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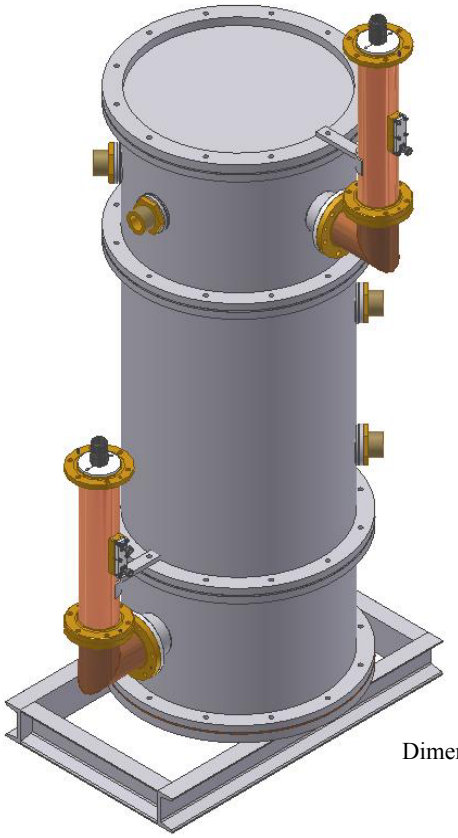


- Cost Effective Solid State Xmtr Solution
- Maximum Efficiency Derived From High Q TE11n Cavities
- Digital and Analog Applications
- Power Rating: 20 kW Avg.
- Low VSWR
- Low Loss
- Pseudo-Elliptic Filter Response
- Temperature Compensated for High Reliability
- Lightweight Compact Design
- Floor or Ceiling Mount Maximizes Installation Flexibility

Dimensions: 66" high x 24" wide x 30" deep Typ.
(varies with application)

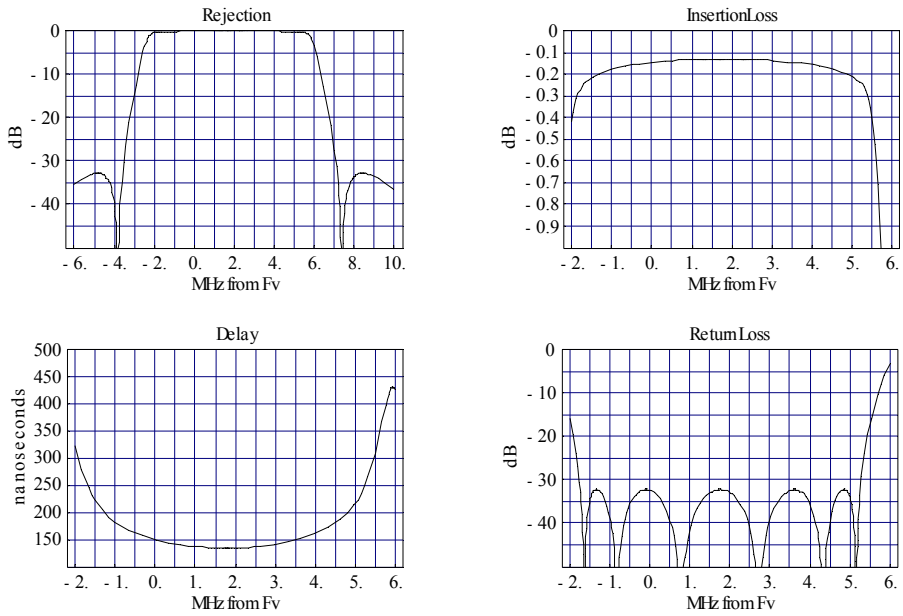
Myat's six-section reflective dual-mode filter is specifically designed for efficient operation with minimum space requirements. A unique technique is used to enhance cavity Q where needed the most. Our precision cavity designs minimize tuning screw penetration and result in a filter that is more efficient and can accommodate higher average and peak power levels. The pseudo-elliptic function response can be tuned to meet emission requirements for NTSC, 8-VSB, and DVB-T transmitters. More stringent requirements are achieved by using elliptic functions or adding more sections. Lightweight aluminum construction is used for NTSC applications. Temperature compensated versions are used for DTV and DVB-T applications.

These filters are typically combined with Myat's high directivity directional couplers for signal monitoring and high rejection lowpass filters for complete suppression of unwanted signals.

Specifications

	NTSC	DTV
No. of Sections	6	6
Frequency	any UHF channel	any UHF channel
VSWR	1.06 max.	1.08 max.
Insertion Loss	.15dB @ Fv	.15dB @ fo
	.2dB max.	.25dB +/- 2.69MHz
Rejection	as specified	as specified
Delay Variation	<100ns over channel	<100ns +/- 2.69MHz
Input/Output	as specified	as specified
Power	30 kW Peak Visual	20 kW Avg.

Typical NTSC Response



You Can Depend On MYAT

If you believe, as we do, that results are worth far more than empty promises, please give us a call at 201-767-5380. Or visit our Web site: www.myat.com. We'll get you on air, on time and on budget with reliable solutions that keep you up and running.

Efficient filter solutions that save you time and money.