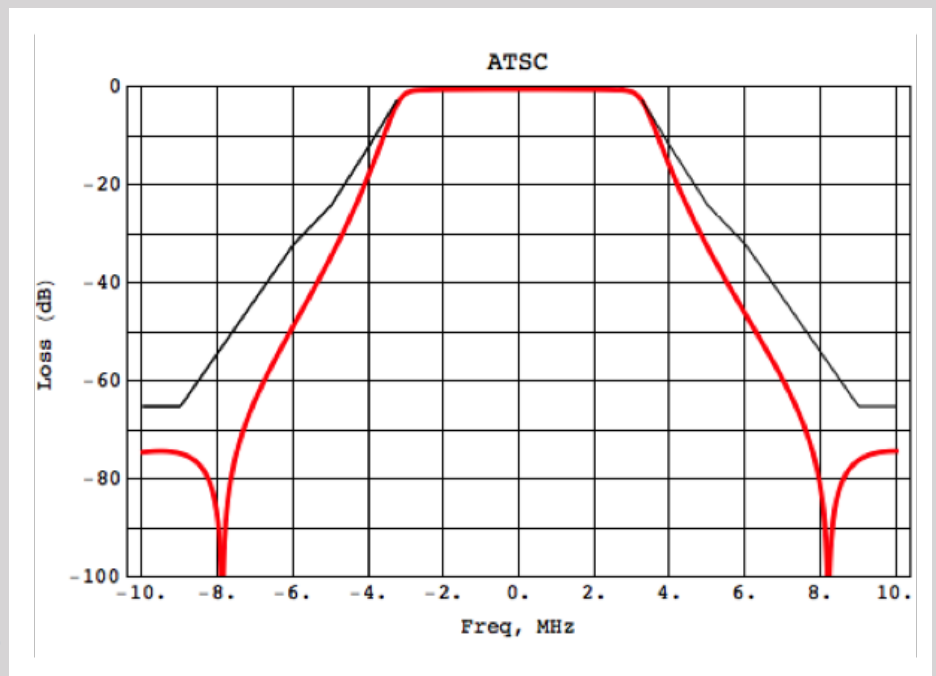


AVAILABLE  
TODAY

Manufactured in Maine, USA

Dielectrics MT6E6-4K VHF filter uses proven cavity and resonator design techniques to provide the broadcaster unrivaled efficiency in a small footprint. The 4 kW 6-pole filter is tunable through high band VHF with a simple folded design requiring minimal space. Convection-cooled allowing easy floor, ceiling or cabinet mount installation.

- High band VHF tunable
- 4 kW convection-cooled
- High efficiency in a compact package
- 6-pole with cross coupling
- Temperature compensated
- DC short at input/output



Trusted for Decades. Ready for Tomorrow.

## VHF 6-POLE TUNABLE FILTER

PARAMETER	SPEC
Port Size	DIN 7/16 or 1 5/8" EIA, male
Maximum Input Power	4 kW Ave., convection cooled 5.0 kW Ave., air cooled
Frequency Range	170-213 MHz
Standard	ATSC/DVB-T
Insertion Loss (fo)	.35 dB max
Insertion Loss (fo +/-2.69 MHz)	.65 dB max
Rejection (ATSC) fo +/-3.25 MHz fo +/-4.00 MHz fo +/-5.00 MHz fo +/-6.00 MHz fo +/-9.00 MHz	2.5 dB 12 dB 24 dB 32 dB 64 dB
Group Delay Variation	200 ns max
Input Return Loss	26 dB
Weight	62 lbs (28 kg)
Length x Width x Height	20.6 x 13.6 x 25 in 53 x 35 x 64 cm
Ambient Temp Range	10° C to 40° C
Material	Aluminum/Copper
Cooling	Convection
Temperature Stability	< 3 kHz / C
Thermal Compensation	Compensated Resonator
Power Rating at Altitude	3.7 kW at 1000 ft 3.5 kW at 2000 ft 2.7 kW at 5000 ft
Model Number	MT6E6F-4K

All specifications are subject to change.



**Dielectric**<sup>®</sup>

Trusted for Decades. Ready for Tomorrow.

22 Tower Rd., Raymond, ME 04071 USA • 1-800-341-9678 • Dielectric.com