

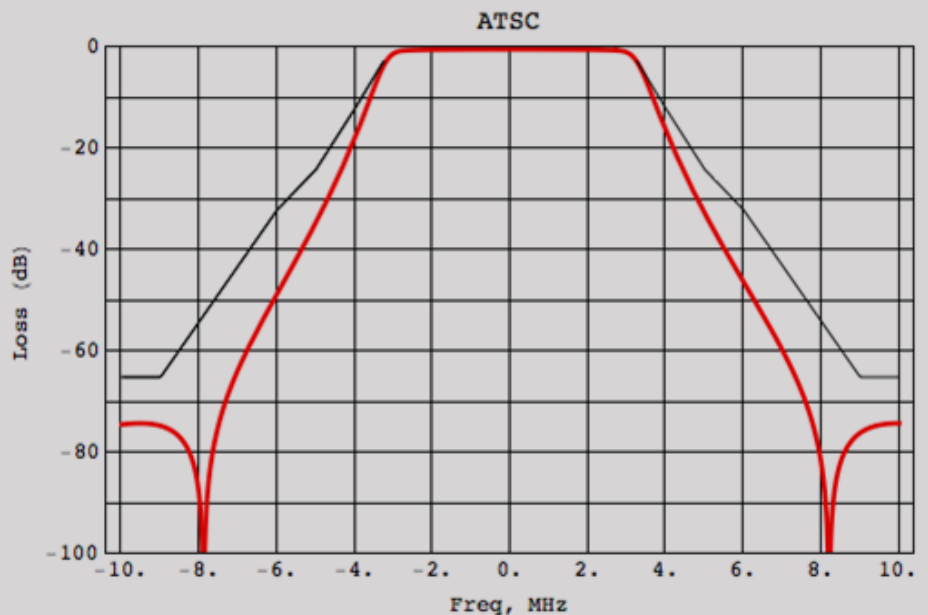
AVAILABLE
TODAY

Manufactured in Maine, USA

Dielectrics HT6E10F-8k VHF filter uses proven cavity and resonator design techniques to provide the broadcaster unrivaled efficiency in a small footprint. The 8 kW 6-pole filter is tunable through high band VHF using a simple folded design requiring minimal space. The filter is convection cooled, allowing easy floor or ceiling mount installation.

Key Features:

- Efficient high band VHF tunable filter
- ATSC 3.0 compatible
- 8 kW convection cooled
- Cross coupled for increased rejection
- Temperature compensated
- DC short at input/output
- Compact folded design for space-limited sites



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VHF HIGH BAND 6-POLE TUNABLE FILTER 8K

PARAMETER	SPEC
Port Size	3 1/8" NF
Maximum Input Power	8 kW ave.
Frequency Range	170-213 MHz
Standard	ATSC/DVB-T
Insertion Loss (fo)	.18 dB max
Insertion Loss (fo +/- 2.69 MHz)	.28 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	28 dB min
Weight	270 lbs (122 kg)
Length x Width x Height	35 x 23 x 28 in 89 x 58.5 x 71.2 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	7.4 kW at 1000 ft 7.0 kW at 2000 ft 5.4 kW at 5000 ft
Model Number	HT6E10F-8k

All specifications are subject to change.



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