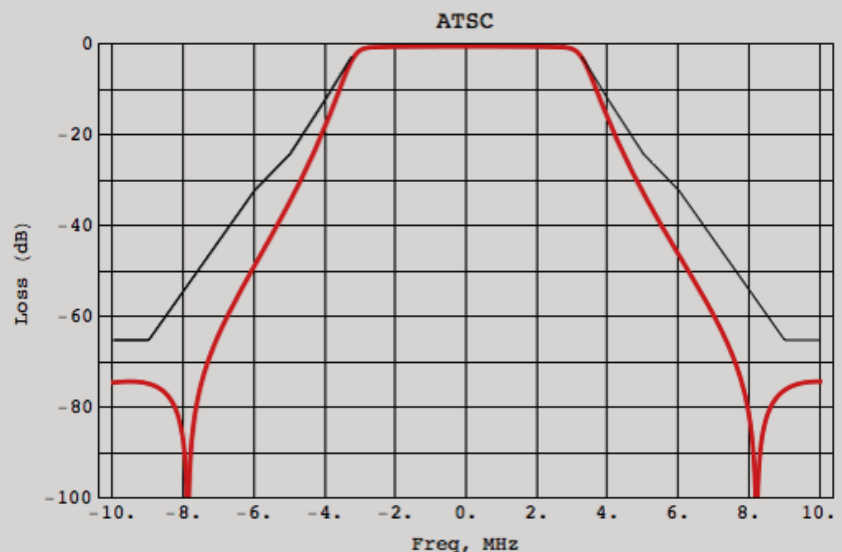


Dielectrics HT6E10F-8k VHF filter uses proven cavity and resonator design techniques to provide the broadcaster unrivaled efficiency in a small footprint. The 8 kW 6-pole filter is tunable through high band VHF using a simple folded design requiring minimal space. The filter is convection cooled, allowing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



Trusted for Decades. Ready for Tomorrow.

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 (+/-2.69 kHz)	.28 dB max
Rejection (ATSC)	
fo +/-3.25 MHz	2.5 dB
fo +/-4.00 MHz	12 dB
fo +/-5.00 MHz	24 dB
fo +/-6.00 MHz	32 dB
fo +/-9.00 MHz	64 dB
Group Delay Variation	200 ns max
Input Return Loss	28 dB
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 Resoantor
Output 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