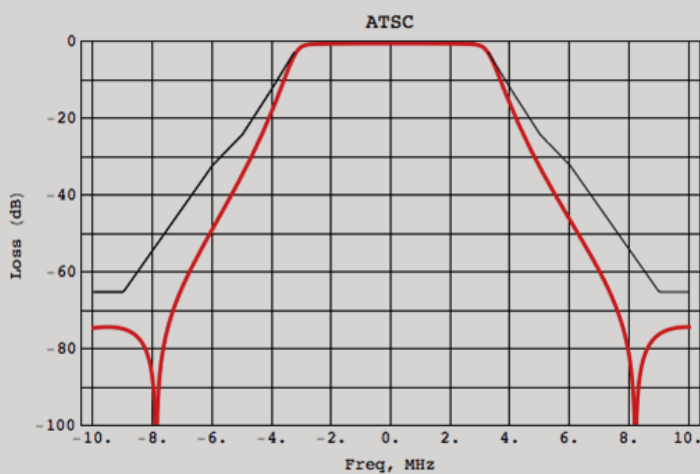


Dielectrics HT6E12F-15k VHG filter uses proven cavity and interdigital resonator design techniques to provide the broadcaster unrivaled efficiency in a small footprint. The 15 kW 6-pole filter is tunable through high band VHF using a simple folded design requiring minimal space. The filter is convection cooled, allowing easy floor or ceiling mount installation.



Key Features:

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

Trusted for Decades. Ready for Tomorrow.

| PARAMETER | SPEC |
|------------------------------|--|
| Port Size | 3 1/8" NF |
| Maximum Input Power | 15 kW ave. |
| Frequency Range | 170 - 213 MHz |
| Standard | ATSC/DVB-T |
| Insertion Loss (fo) | .10 dB max |
| Insertion Loss (+/-2.69 kHz) | .15 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 | 410 lbs (186 kg) |
| Length x Width x Height | 48 x 28 x 36 in 122 x 72 x 92 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 | 13.8 kW at 1000 ft 13 kW at 2000 ft 10 kW at 5000 ft |
| Model Number | UT6E11F-20K or UT6E11F-25K |