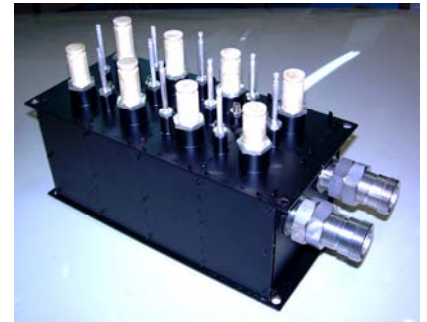




UHF Band IV-V Filter Typical Power: 150 W Digital Band Pass Filter Model: FLDV-018

Electrical Specifications

| | | |
|---------------------------|--------------------------------------|---------------|
| Filer type | Band pass coaxial | |
| Order | 6 and 8 poles with internal feedback | |
| Frequency range | 470-862 MHz | |
| Impedance | 50 Ohm | |
| Minimum frequency spacing | Adjacent (critical mask) | |
| Maximum power handling | 150 W RMS | |
| Connectors | DIN 7/16 (F) | |
| Channel bandwidth | 6, 7, 8 MHz | |
| VSWR | < 1.22:1 | |
| Frequency response (1) | 474 MHz | 858 MHz |
| f_0 | ≤ 1.6 dB | ≤ 1.9 dB |
| $f_0 \pm 3.8$ MHz | ≤ 2.8 dB | ≤ 4.0 dB |
| $f_0 \pm 4.2$ MHz | > 8 dB | > 8 dB |
| $f_0 \pm 6$ MHz | > 40 dB | > 30 dB |
| $f_0 \pm 12$ MHz | > 60 dB | > 50 dB |
| Group delay variation | ≤ 400 ns | |
| Thermal stability | ≤ 2 kHz / °C | |



Mechanical & Environmental Specifications

| | | |
|----------------------------|--------------------|--------------------------------|
| Dimensions (W x D x H) (1) | 345 x 121 x 200 mm | |
| Materials | Outer conductor | Copper |
| | Inner conductor | Cooper and silver plated brass |
| | Tuning elements | Invar and silver plated brass |
| | Isolators | PTFE |
| | Finishing | Long lasting black paint |
| | Screws | Stainless steel |
| Temperature range | -10°C to +50°C | |

NOTES:

(1): Typical specifications for 8 MHz channels. For 6Mhz DTV specifications contact MCI at sales@mcibroadcast.com or call 1-800-545-0608.

