



Micro Communications, Inc.
Microwave A MICROWAVE TECHNIQUES COMPANY

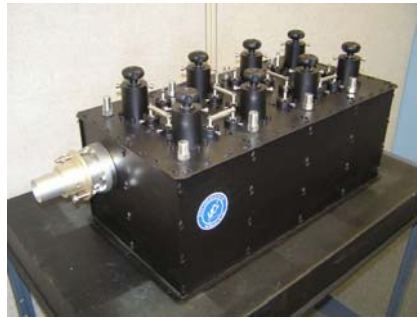
UHF Band IV-V Filter

Typical Power: 2.0 KW Digital Band Pass Filter

Model: FLDV-158

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	2.0 KW RMS	
Connectors	Unflanged 1 5/8"	
Channel bandwidth	6, 7, 8 MHz	
VSWR	< 1.15:1	
Frequency response (1)	474 MHz	858 MHz
f_0	≤ 0.5 dB	≤ 0.6 dB
$f_0 \pm 3.8$ MHz	≤ 1.3 dB	≤ 1.8 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)	867 x 320 x 407 mm	
Materials	Outer conductor	Brass
	Inner conductor	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@microwavetechniques.com or call 1-207-854-1700.



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Microwave Techniques, LLC | 28 Sanford Drive, Gorham, ME 04038
 Email: sales@microwavetechniques.com | Phone: 1-207-854-1700