



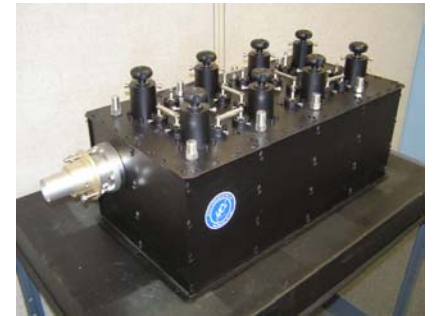
Micro Communications, Inc.



# 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
$f_0$	$\leq 0.5$ dB	$\leq 0.6$ dB
$f_0 \pm 3.8$ MHz	$\leq 1.3$ dB	$\leq 1.8$ 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	$\leq 400$ ns	
Thermal stability	$\leq 2$ 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 DTW specifications contact MCI.



Micro Communications, Inc.

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