



Micro Communications, Inc.

Microwave A MICROWAVE TECHNIQUES COMPANY

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 DTU specifications contact MCI at sales@microwavetechniques.com or call 1-207-854-1700.



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