



# UHF 6th Order (4+2)Dual Mode Reflective DTV/DVB-T Mask Filter

Micro Communications, Inc.

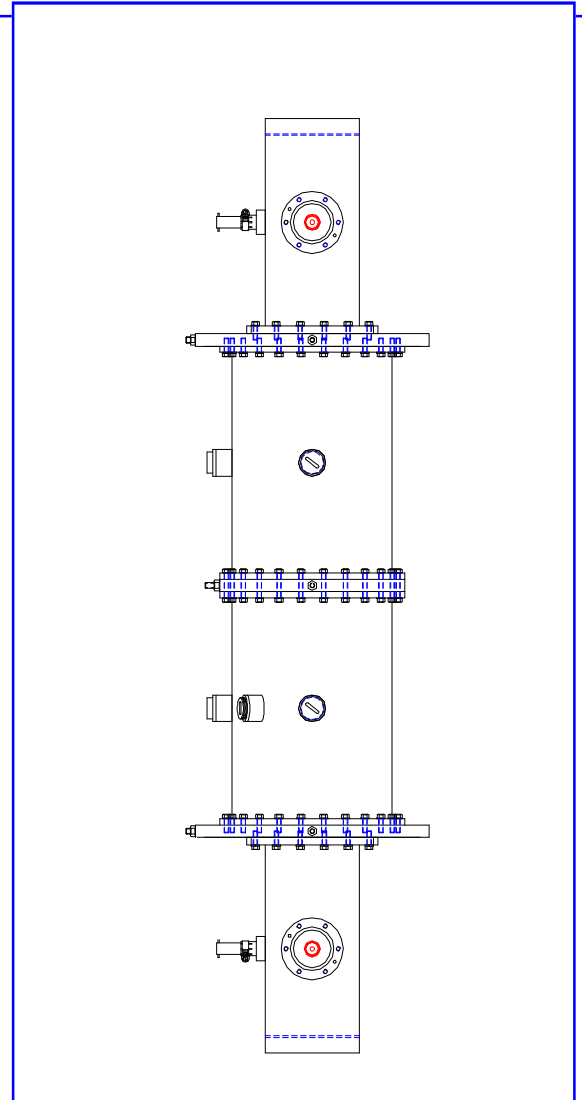
- **Thermally Adjusted**
- **DTV Mask Compliant**
- **3-1/8 EIA In and Out  
Other Connectors Available**
- **Thermally Stable Invar  
Available upon request**

## Electrical Specifications

Filter Type	Band Pass Dual Mode
Order	6th
Frequency Range	470- 862 MHz
Impedance	50 Ohm
Maximum RMS Power	20kW(30kw Max- 4-1/16EIA)
Connectors	3-1/8 EIA(Male)
Channel Bandwidth	6 MHz (8MHz Optional)
VSWR	1.08:1
Insertion Loss	@ $f_c = .25\text{dB}$
Frequency Response	6MHz Pass Band
$f_c \pm 4.0$ MHz	$\leq 5.9\text{dB}$
$f_c \pm 4.5$ MHz	$\leq 11.6\text{dB}$
$f_c \pm 5.0$ MHz	$\leq 18.0\text{dB}$
$f_c \pm 5.5$ MHz	$\leq 25.0\text{dB}$
$f_c \pm 6.0$ MHz	$\leq 30.0\text{dB}$
$f_c \pm 9.0$ MHz	$\leq 60.0\text{dB}$
Group Delay Variation	$\leq 150$ ns
Normal Operating Temp.	Ambient to 150°F (65°C)

## Mechanical & Environmental Specifications

Dimensions -Typical @CH 33	16.5"Ø x 68" LG	
Materials	Outer Conductor	6061 Aluminum
	Finishing	Long Lasting Black Paint
	Hardware	Stainless Steel
Temperature Range	-10° to +50°C	



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