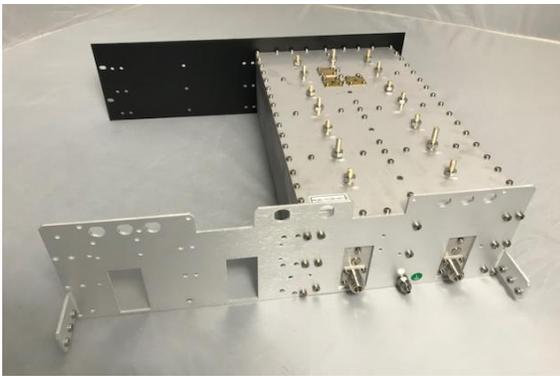


# MWF4CU-N and MWF5CU-N UHF Receive Window Filters (380-512 MHz)



Receive Milled Window Filter Front View



Window Filter Rear View with N Connectors

## Features and Benefits

- ❖ Receive window filter system for single UHF receive passband. Filter passband(s) may be specified between 2 MHz and 5 MHz to accommodate receive frequencies.
- ❖ Milled aluminum construction provides outstanding selectivity characteristics in a rugged and compact package – only 3 RU and 18" depth.

## Ordering Information

Model	Frequency Band	Passband
MWF4CU-N	380-470 MHz	2-5 MHz
MWF5CU-N	470-512 MHz	2-5 MHz

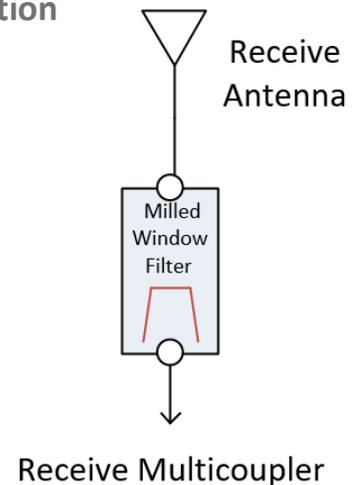
### UHF Receive Milled Window Filter

Filter must be factory tuned; provide frequency information at time of order. Includes mounting brackets for four-post mounting. For two-post mounting, order 072985-004 Extender Brackets (Quantity 2).

## Specifications

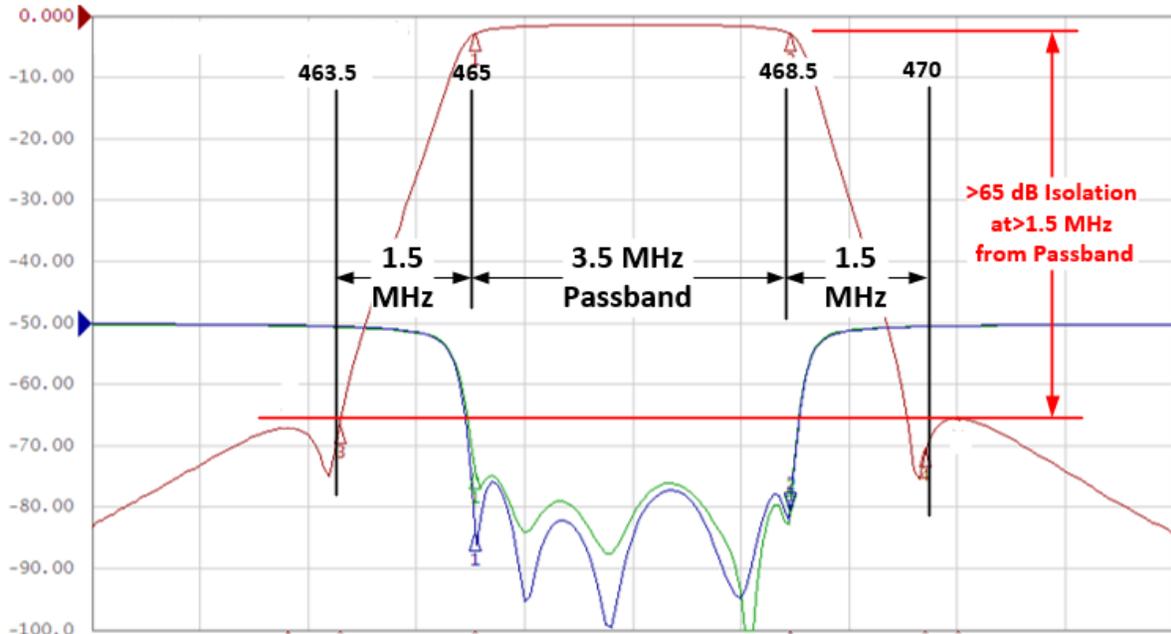
Electrical Specifications	
<b>Frequency Range</b> MWF4CU-N MWF5CU-N	380-470 MHz 470-512 MHz
<b>Passband Bandwidth</b>	2-5 MHz
<b>Isolation (typical)</b> <i>at &gt;1.5 MHz from passband edge</i>	> 65 dB
<b>Insertion Loss</b> <i>at center of bandpass</i>	<2.5 dB
<b>Return Loss</b>	>14 dB
Mechanical Specifications	
<b>Filter Construction/Finish</b>	Milled AL Casting, Clear Chem Film
<b>Mounting Chassis Rear &amp; brackets</b>	AL, Clear Chem Film
<b>Mounting Chassis Front Panel</b>	Aluminum panel, black powdercoat
<b>Connectors</b>	N Female
<b>Grounding Connection</b>	¼-20 Stud 1" Length
<b>Mounting</b>	EIA 19-inch rack
<b>Temperature Range</b>	-30° C to +60° C
Dimensions and Weight	
<b>Width -- Filter only</b>	19 in
<b>Height</b>	5.25"
<b>RU Height</b>	3 RU
<b>Depth</b>	18 in
<b>Weight / Shipping Weight</b>	19 Lbs. / 28 Lbs.

## Typical Application



# MWF4CU-N and MWF5CU-N UHF Receive Window Filters (380-512 MHz)

## MWF4 UHF Filter Characteristics –Typical with 3.5 MHz Passband



## MWF5 UHF Filter Characteristics –Typical with 2.0 MHz Passband

