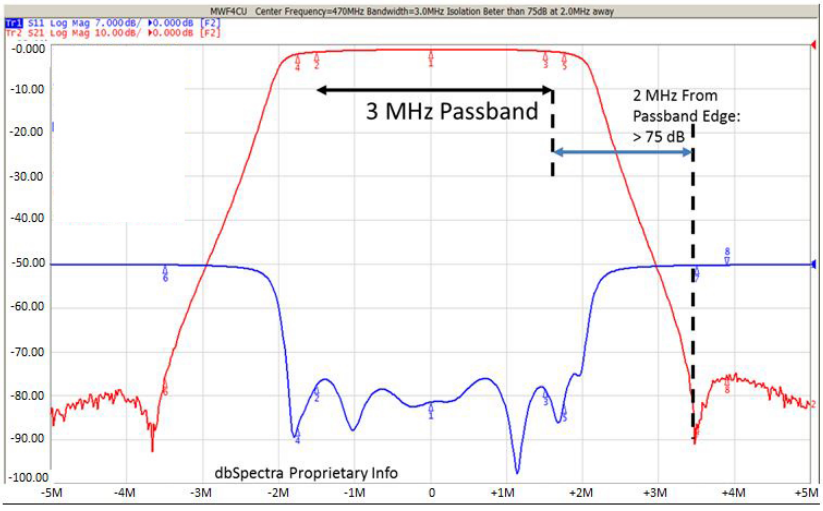
MWF4 and MWF5 (380-512 MHz)
UHF Universal Milled Window Filter

dbSpectra

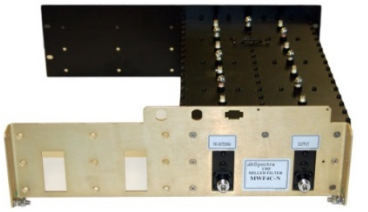
ELECTRICAL SPECIFICATIONS	Model A	Model B	Model C
Frequency Range	380-512 MHz	380-512 MHz	380-512 MHz
Pass Bandwidth	2 - 5 MHz	2 - 5 MHz	2 - 5 MHz
Isolation (typical) @ 1.5 MHz from Passband Edge	> 25 dB	> 45 dB	> 65 dB
Insertion Loss* @ Mid Band Frequency	1.0 dB	1.5 dB	2.5 dB
Return Loss (min)	14 dB	14 dB	14 dB
Power Handling, Average Total	450 W	450 W	450 W
MECHANICAL SPECIFICATIONS			
Construction/Finish	Milled type / Black		
Connectors	N (F) or 7/16 DIN (F)		
Mounting	EIA 19-inch rack		
Temperature Range	-30° C to +60° C		
DIMENSIONS			
Width	8.75 in		
Height	4.75 in		
RU Height	3 RU		
Depth	15.5 in		
Net Weight	Single = 18 lb / Dual = 35 lb		

** Note: Passband Edge Insertion: ± 1 dB of Midband Loss*

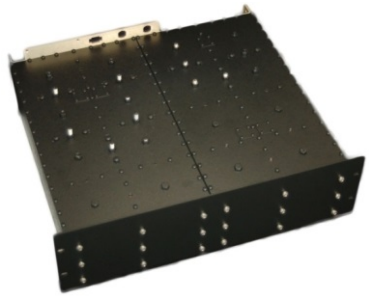
PLOT



UHF Universal Milled Filter Model



Back



Front

FEATURES AND BENEFITS

- Integrated filter system solution for receiver and transmitter applications
- Design uses solid aluminum milled type construction
- Improved selectivity and low loss in a compact package
- Provides significant rack space saving compared to the standard solutions used in the past for UHF applications (3 RU)
- Dual model allows for two separate filters in the same rack space
- Flexible design allows for optimization of isolation or insertion loss to meet your site specific requirements

ORDERING INFORMATION

Model with N (F)	Model with DIN (F)	Frequency Range
MWF4**A**U-N	MWF4**A**U-D	380-470 MHz
MWF4**B**U-N	MWF4**B**U-D	380-470 MHz
MWF4**C**U-N	MWF4**C**U-D	380-470 MHz
MWF5**A**U-N	MWF5**A**U-D	470-512 MHz
MWF5**B**U-N	MWF5**B**U-D	470-512 MHz
MWF5**C**U-N	MWF5**C**U-D	470-512 MHz

A – Provides 25 dB isolation @ 1.5 MHz spacing
For use as a low loss TX Filter with multi-channel cavity combining systems or RX Filter for systems with optimum guard bands

B – Provides 45 dB isolation @ 1.5 MHz spacing
Mid-range model with improved selectivity over Model A

C – Provides 65 dB isolation @ 1.5 MHz spacing
High performance model for maximum selectivity

For DUAL Filter Models add a “D” after the “M”.