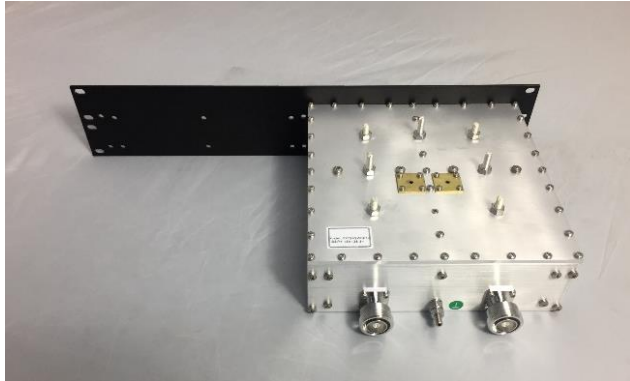


MWF7AM-D, MWF8AM-D, and MWF9AM-D

High-Power Transmit Window Filter (700, 800, 900 MHz)

Single Band Transmit Window Filters



Rear View with 7/16 DIN Female connectors shown

Features and Benefits

- ❖ Single Band transmit window filter systems enhance isolation of transmit carrier and transmit sideband noise from system receivers – great for sites with horizontally separated antennas.
- ❖ *Isolation at Receiver Frequencies* quoted in table should be added to isolation provided by transmit combiner.
- ❖ 500-Watt continuous duty power rating will handle peak voltage for Peak Instantaneous Power (PIP) from ten P25 Phase 2 trunk channels, each 50 W at filter input.
- ❖ Milled aluminum construction provides outstanding selectivity characteristics in a rugged and compact package – only 2 RU and 11.0” depth.

Ordering Information

Model	Band	Passband
MWF7AM-D	700 MHz	14 MHz
MWF8AM-D	800 MHz	18 MHz
MWF9AM-D	900 MHz	6 MHz

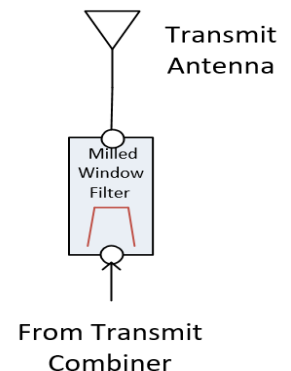
High Power Transmit Window Filter

Filter must be factory tuned; Provide frequency information at time of order. Rear brackets for 4-post mounting provided; for 2-post mounting order P/N MWF2PKIT.

Specifications

Electrical Specifications	
Maximum RF Power	500W Continuous
Peak Instantaneous Power	19,000W
Frequency Range	
700 MHz model:	762-776 MHz
800 MHz model:	851-869 MHz
900 MHz model:	935-941 MHz
Bandwidth	
700 MHz model:	14 MHz
800 MHz model:	18 MHz
900 MHz model:	6 MHz
Isolation at Receive Frequencies	
700 MHz model:	>45 dB
800 MHz model:	>45 dB
900 MHz model:	>60 dB
Insertion Loss	
700 MHz model:	<0.3 dB
800 MHz model:	<0.3 dB
900 MHz model:	<0.5 dB
Return Loss all Ports	>19 dB
Mechanical Specifications	
Construction/Finish	Milled AL casting /Clear Chem Film/Panel Blk Powder coat
Connectors	7/16” DIN Female
Mounting	EIA 19-inch rack
Temperature Range	-30° C to +60° C
Dimensions and Weight	
Width	19.0 in.
Height	3.5 in. (2RU)
Depth	11.0 in.
Weight / Shipping Weight	17 lb. / 25 lb.

Typical Application



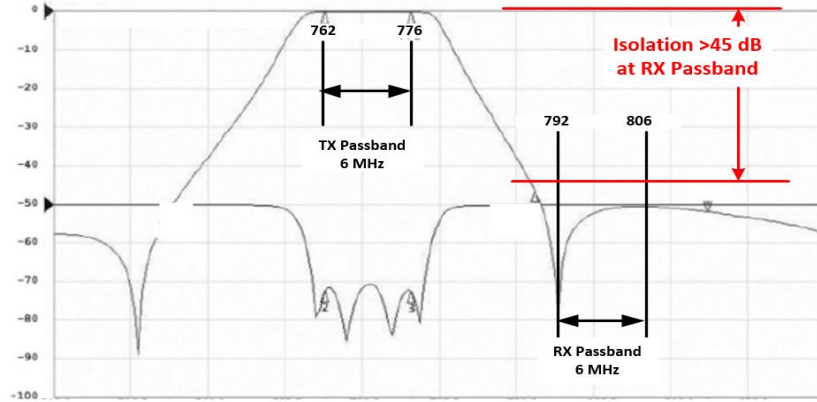
MWF7AM-D, MWF8AM-D, and MWF9AM-D

High-Power Transmit Window Filter (700, 800, 900 MHz)

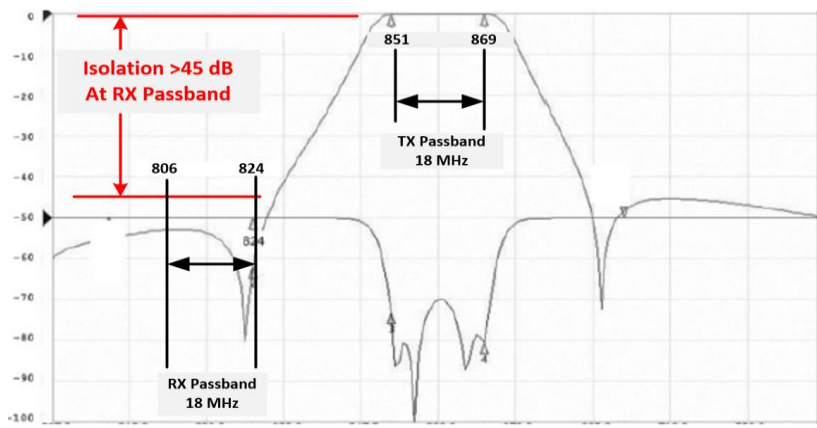
Single Band Transmit Window Filters

Filter Characteristics

MWF7AM Isolation at Receive Frequencies (Typical)



MWF8AM Isolation at Receive Frequencies (Typical)



MWF9AM Isolation at Receive Frequencies (Typical)

