

Diplexer 800 MHz



BW 4.8 MHz

Shifter 45 MHz

100 dB of Rejection

TX on RX

Microwavefilters & TVC srl

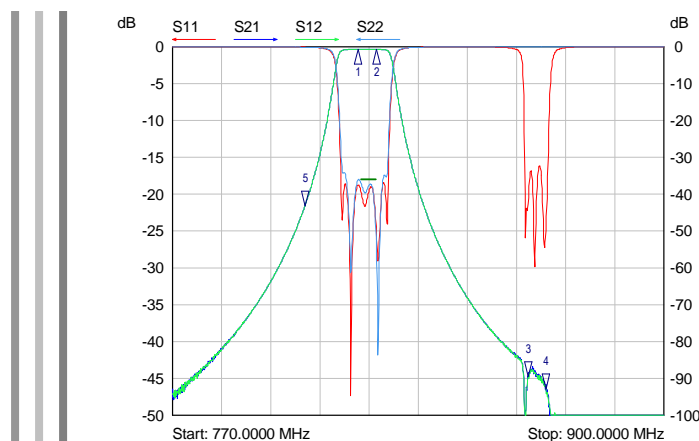
Via G. Cavalcanti, 10 - 20063 Cernusco s/N (MI) - ITALY
Tel. +39-02-92162703 Fax. +39-02-92162705

info@mw-tvc.com www.mw-tvc.com

This new **800 MHz Diplexer** has a **45 MHz shifter**. Filters' bandwidths are **4.8 MHz**. RMS Power is 50 W (Peak Power 400 W).

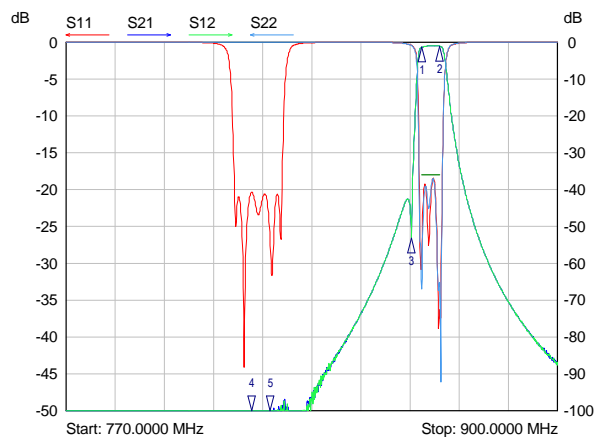
Diplexer Characteristics - P/N MW-F00844-GGGT

Low Filter's Bandwidth	819.05 – 823.85 MHz
High Filter Center Frequency	864.05 – 868.85 MHz
Return Loss	> 18 dB
Insertion Loss	< 1.0 dB (Low Filter) < 1.5 dB (High Filter)
Low Filter's Rejection	> 80 dB @ 864.05 – 868.85 MHz > 30 dB @ 805 MHz > 90 dB @ 770 MHz
High Filter's Rejection	> 100 dB @ 819.05 – 823.85 MHz > 50 dB @ 861.35 MHz > 90 dB @ 770 MHz
Temperature Range	-40 ÷ +85 °C
Dimensions	259.5 x 195 x 52 mm
Connectors	4.1/9.5 Female Connectors on all Ports.



Low Filter

Mkr	Trace	X-Axis	Value
1 ▽	S21	819.0500 MHz	-0.66 dB
2 ▽	S21	823.8500 MHz	-0.64 dB
3 ▽	S21	864.0500 MHz	-89.51 dB
4 ▽	S21	868.8500 MHz	-92.83 dB
5 ▽	S21	805.0000 MHz	-43.23 dB



High Filter

Mkr	Trace	X-Axis	Value	Notes
1 ▽	S21	864.0500 MHz	-1.42 dB	
2 ▽	S21	868.8500 MHz	-1.09 dB	
3 ▽	S21	861.3500 MHz	-53.17 dB	
4 ▽	S21	819.0500 MHz	-108.27 dB	
5 ▽	S21	823.8500 MHz	-102.69 dB	