

C-Band Filter for SatCom Applications



Linear Phase Filter
IL < 1.5 dB

Microwavefilters & TVC srl

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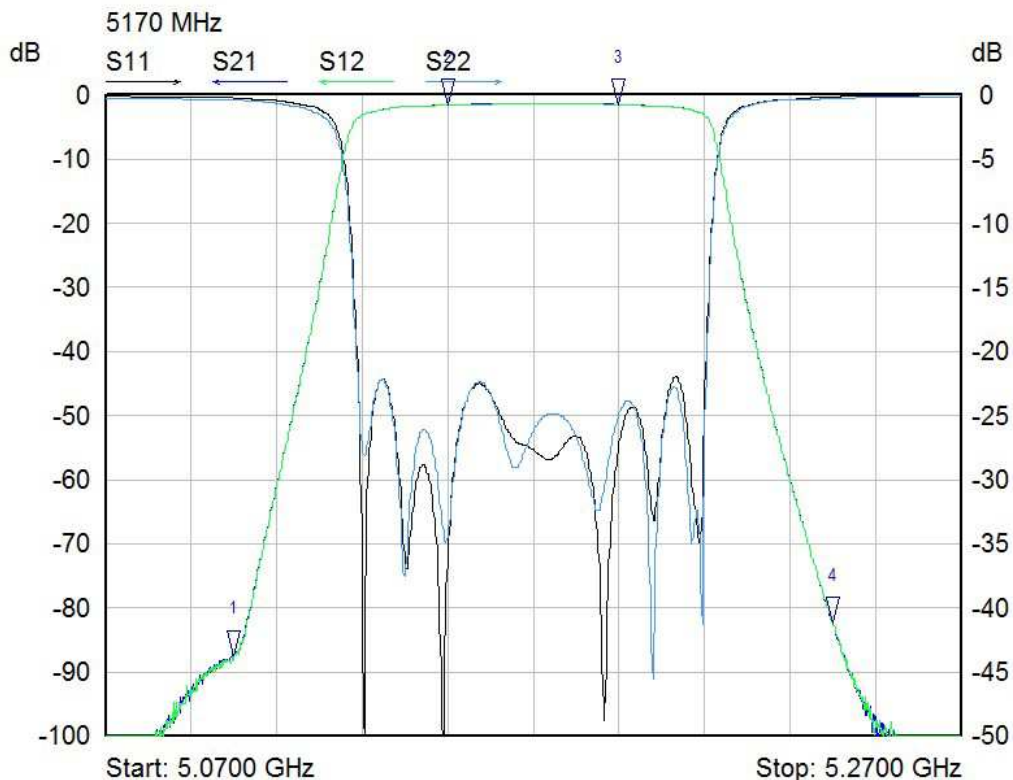
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MW&TVC presents a new bandpass filter in the C-Band. It is narrowband (40 MHz), but with low loss (< 1.5 dB), high rejection (> 80 dB) and flat group delay (< 1 ns peak-to-peak ripple). Connectors can be SMA female and/or male.

C-Band Bandpass Filter Characteristics

P/N MW-F05170-CMT

Bandwidth	5.150 – 5.190 GHz
Return Loss	> 20 dB
Insertion Loss	< 1.5 dB
Attenuation from DC to 5.100 GHz	> 75 dB
Attenuation from 5.24 GHz to 11 GHz	> 80 dB
Group delay variation	< 1ns peak to peak
Dimensions	143 x 52 x 19 mm (without connectors & tuning screws)
Connectors	SMA-Female and/or SMA-Male



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S21	5.1000 GHz	-87.51 dB	
2 ▽	S21	5.1500 GHz	-1.49 dB	
3 ▽	S21	5.1900 GHz	-1.44 dB	
4 ▽	S21	5.2400 GHz	-82.41 dB	