

Microwavefilters® & ®

Microwave components for telecommunication systems

C-Band Filter for SatCom Applications

IL < 1 dB
Flat Group Delay
Compact Size

Microwavefilters & TVC srl

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MW&TVC presents a new bandpass filter in the C-Band. It is compact (88x36x16 mm), with low loss (< 1dB), high rejection and flat group delay (< 1 ns in any 80 MHz interval). Connectors can be SMA female and/or male.

C-Band Bandpass Filter Characteristics

P/N MW-F06000-CCT

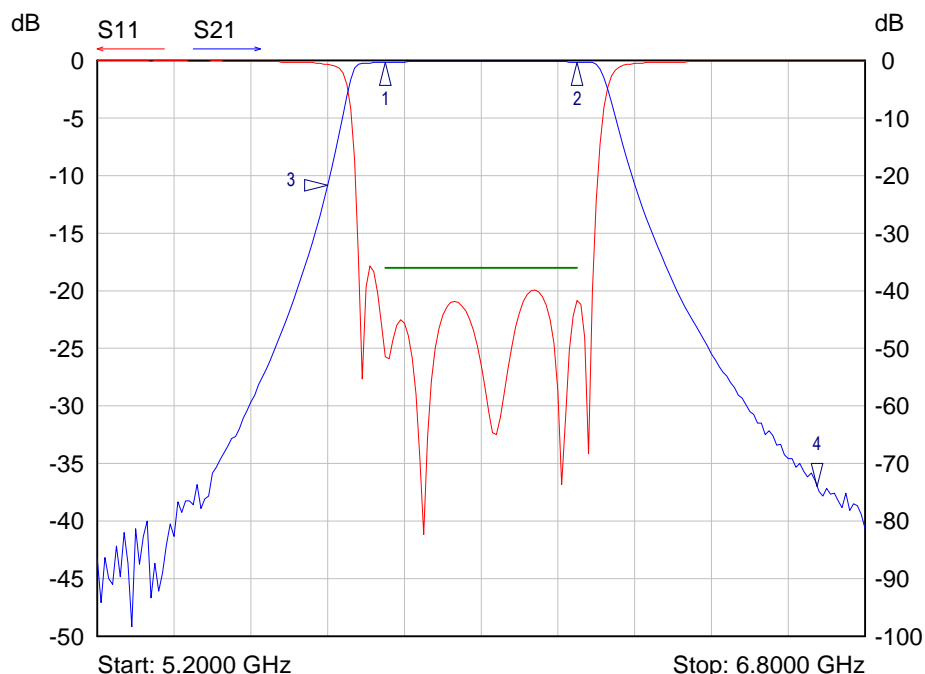
Bandwidth	5.800 – 6.200 GHz
Return Loss	> 18 dB
Insertion Loss	< 1.5 dB
Attenuation @ 5.68 GHz	> 20 dB
Attenuation @ 6.7 GHz	> 70 dB
Attenuation @ 13.4 – 14 GHz	> 80 dB
Group delay variation	< 1ns peak to peak in any 80 MHz Interval inside bandwidth

Dimensions

88 x 36 x 16 mm (without connectors & tuning screws)

Connectors

SMA-Female and/or SMA-Male



Mkr	Trace	X-Axis	Value	Notes
1 ▽	S21	5.8000 GHz	-0.33 dB	
2 ▽	S21	6.2000 GHz	-0.26 dB	
3 ▽	S21	5.6800 GHz	-21.63 dB	
4 ▽	S21	6.7000 GHz	-73.87 dB	