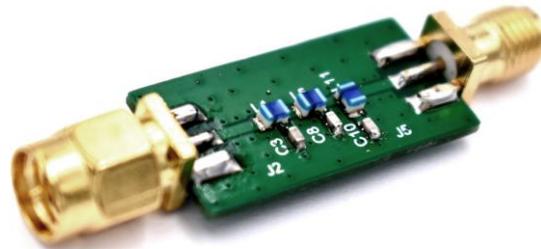


FPV TBS Crossfire, ELRS, R9, DragonLink etc. LPF for 0.3...0.58 GHz



General information

Low-loss LPF, Low amplitude ripple, Designed for 50 Ohm Source/Load

Typical applications

RF LPF for Telecommunications, Remote Control Systems, FPV drone video receivers.
Efficient suppression of RF signals from long-range radio control systems
TBS Crossfire, ELRS, FrSky R9, DragonLink, etc. for enhanced electromagnetic compatibility.

Electrical data

Filter type	PCB LPF based on SMD components			
Passband [MHz]	0 - 580			
Frequency [MHz]	300	400	500	580
Transmission coefficient S21 [dB]	-0.12	-0.18	-0.2	-0.65
Ripple [dB]	0.6			
VSWR	1.6			
Maximum input power [W]	2			

Mechanical data

Filter PCB dimensions [mm]	13.2 x 26 x 1
Connector type ¹⁾	SMA male / SMA female ¹⁾
PCB material	FR4

Environmental data

Operating temperature [°C]	-40...+85
Storage temperature [°C]	-40...+85
Ambient relative humidity [%]	0...85
RoHS / REACH compliant	yes / yes

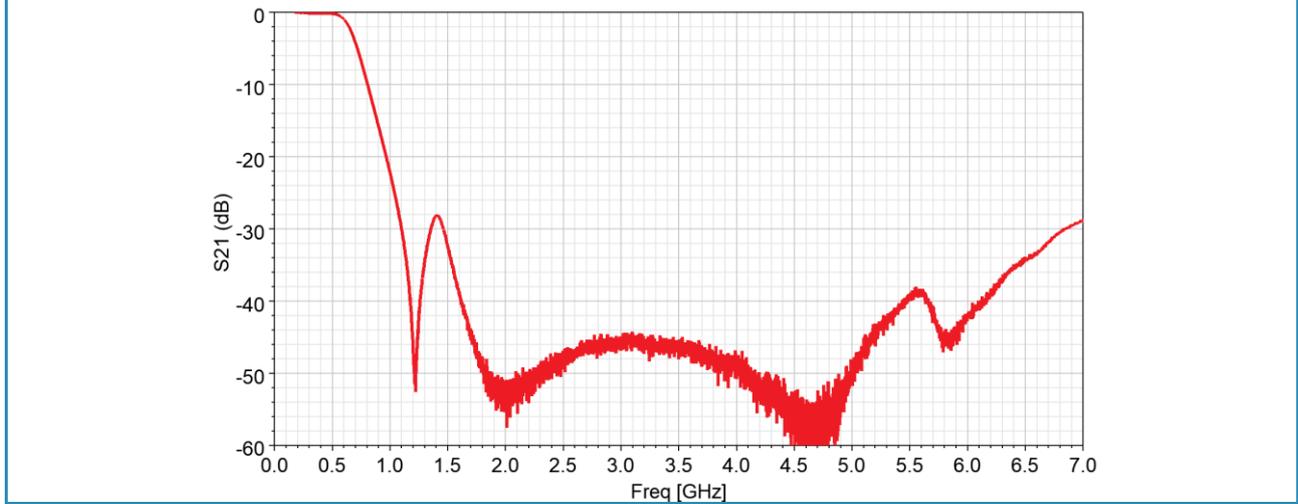
Additional information

- ¹⁾ Other connector types can be offered on request.
Filter's performance was measured in free space and at normal conditions.
Further customization, electromagnetic simulations and measurements can be offered on request.
The filter can be additionally equipped with mounting holes.

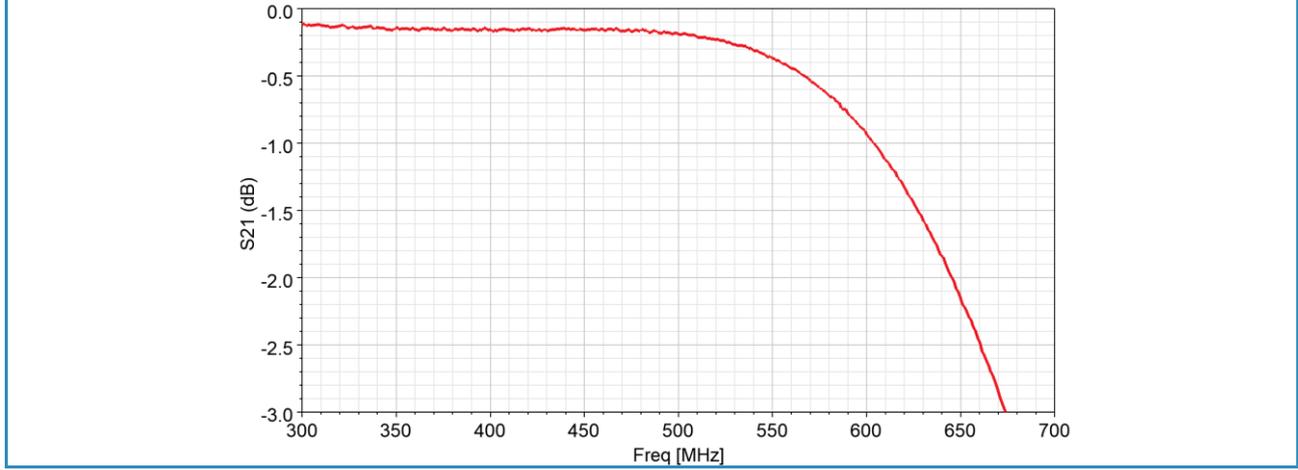
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FPV TBS Crossfire, ELRS, R9, DragonLink etc. LPF for 0.3...0.58 GHz

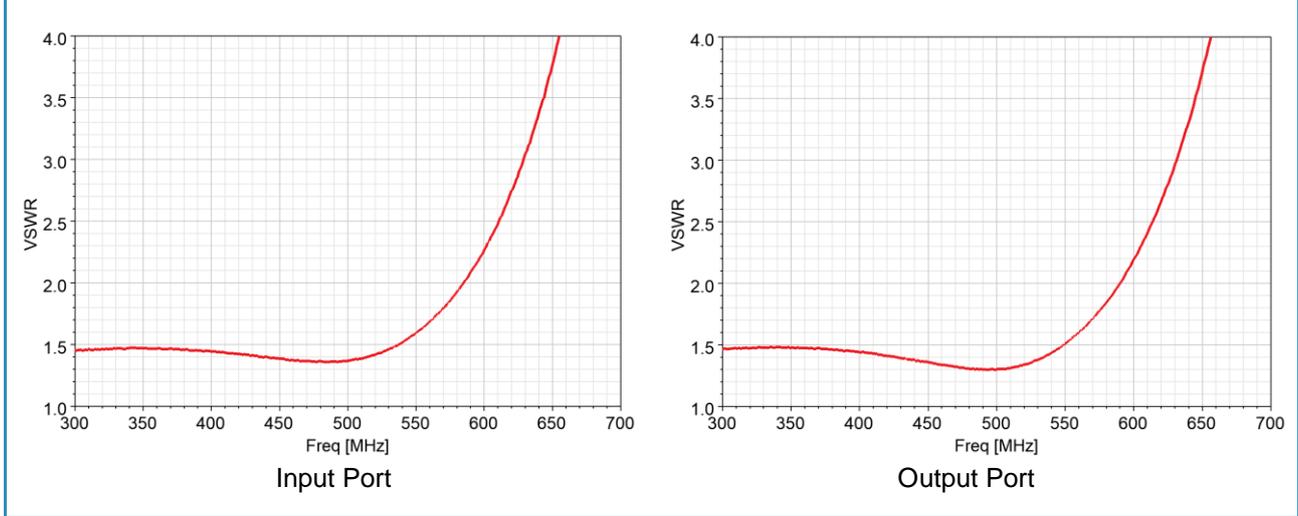
Measured transmission coefficient (wide band plot)



Measured transmission coefficient (narrow band plot)



Measured input/output matching (VSWR)



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