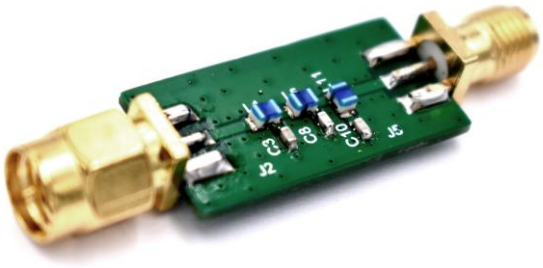
LPF for 0.136…0.174GHz



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

Typical applications
RF LPF for Telecommunications, Remote Control Systems.
Efficient suppression of RF signals from long-range radio control systems
TBS Crossfire, ELRS, DragonLink, etc. for enhanced electromagnetic compatibility.

Electrical data				
Filter type	PCB LPF based on SMD components			
Passband [MHz]	0 - 174			
Frequency [MHz]	136	150	160	174
Transmission coefficient S21 [dB]	-0.35	-0.24	-0.26	-0.75
Ripple [dB]	0.5			
VSWR	1.7			
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 [ºC]	-40…+85
Storage temperature [ºC]	-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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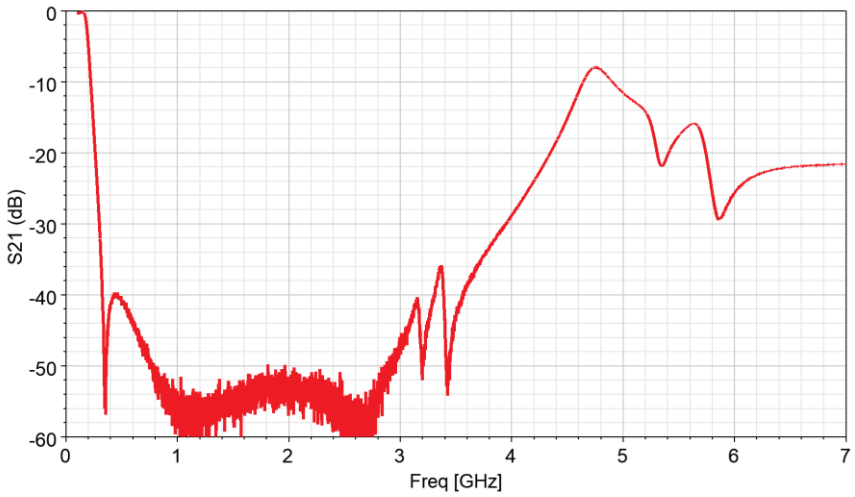
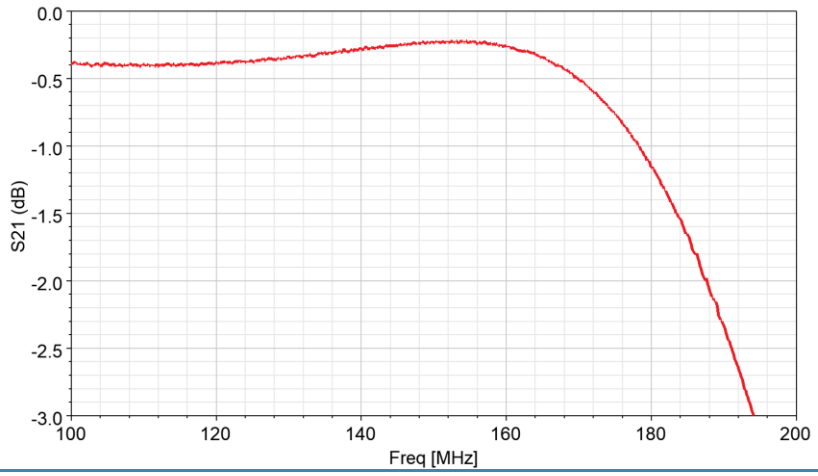
LPF for 0.136…0.174GHz

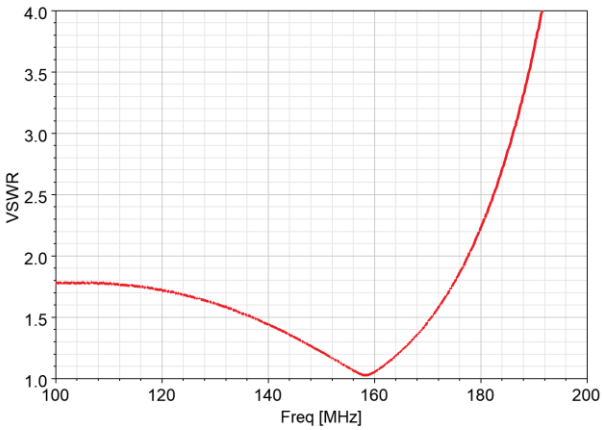
Measured transmission coefficient (wide band plot)



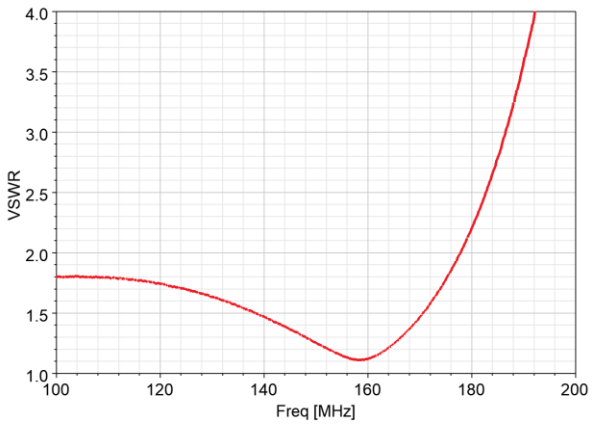
Measured transmission coefficient (narrow band plot)



Measured input/output matching (VSWR)



Input Port



Output Port

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