

Bandpass Filter 50Ω 2800 to 3400 MHz



General information

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

Typical applications

Harmonic rejection, Telemetry, Transmitters / Receivers , Military

Electrical data

Filter type	Ceramic Bandpass Filter			
Passband [MHz]	2800 to 3400			
Frequency [MHz]	2800	3000	3200	3400
Transmission coefficient S21 [dB]	-0.7	-0.78	-0.72	-0.75
Ripple [dB]	0.2			
VSWR	1.7			
Maximum input power [W]	1.5			

Mechanical data

Filter PCB dimensions [mm]	8x 16 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.

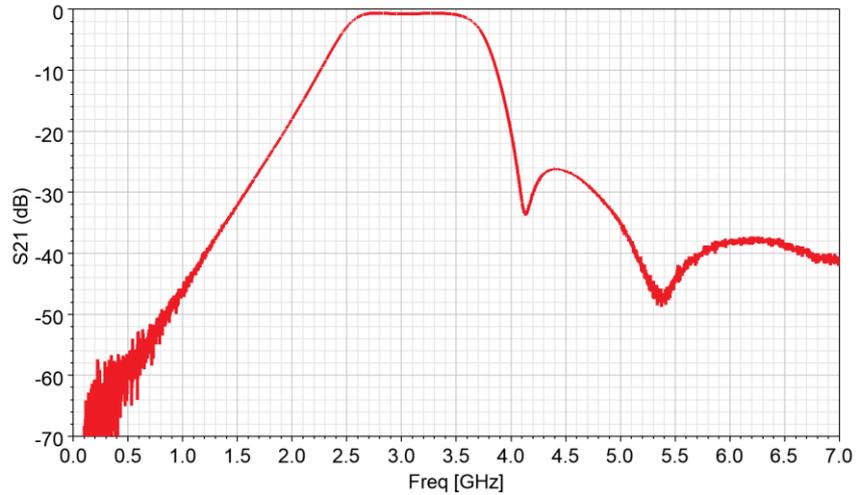
Filter's performance was measured in free space and at normal conditions.

Further customization, electromagnetic simulations and measurements can be offered on request.

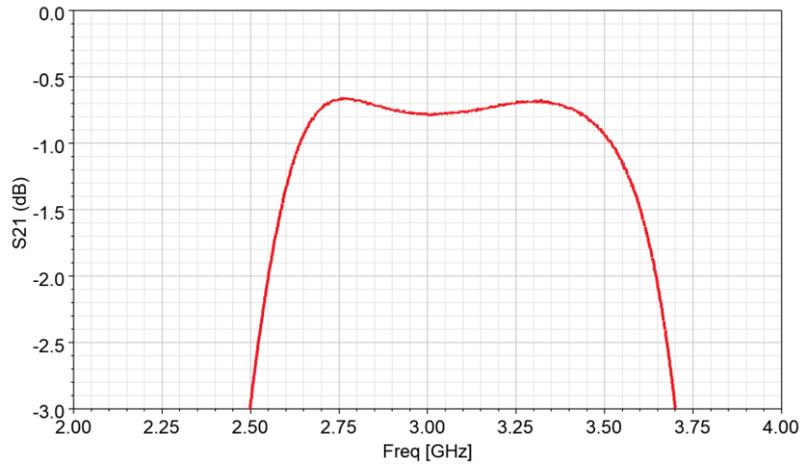
The filter can be additionally equipped with mounting holes.

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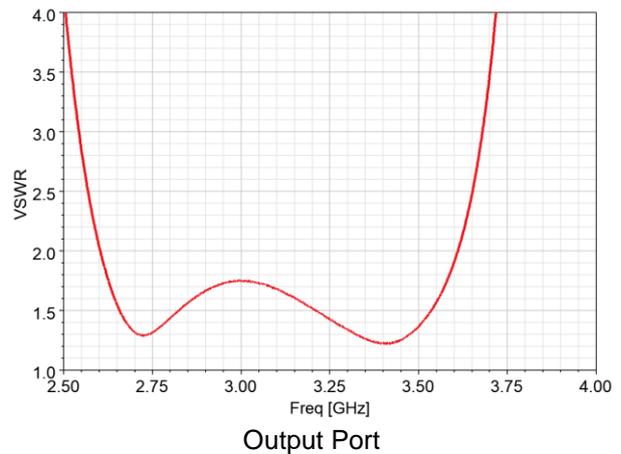
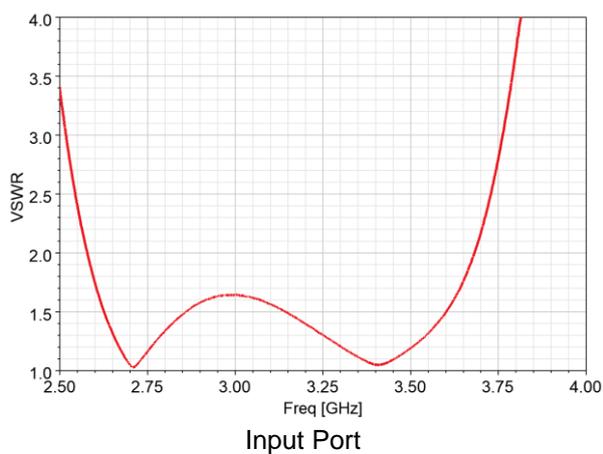
Measured transmission coefficient (wide band plot)



Measured transmission coefficient (narrow band plot)



Measured input/output matching (VSWR)



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