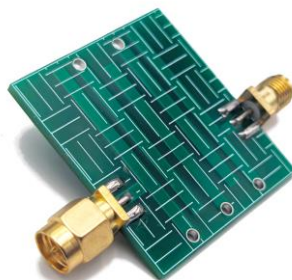


1.11 – 1.32 GHz PCB Band Pass Filter for Telecommunication



General information

Low-loss 1.11GHz-1.32GHz PCB BPF, Low amplitude ripple, Designed for 50 ohm Source/Load

Typical applications

RF filter for Telecommunication, VPF equipment, Remote controller, TBS Crossfire

Electrical data

Filter type	Embedded / internal PCB Filter		
Bands	CH5-CH10 (1.12GHz-1.32GHz) VIDEO RECEIVER 1.2/1.3GHZ		
Frequency [GHz]	1.11	1.121	1.32
Transmission coefficient [dB]	-2.4	-2.4	-4
Ripple [dB]	1.6		
VSWR	1.1	1.1	2.3
Maximum input power [W]	10		

Mechanical data

Filter PCB dimensions [mm]	38 x 34 x 1.6
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.

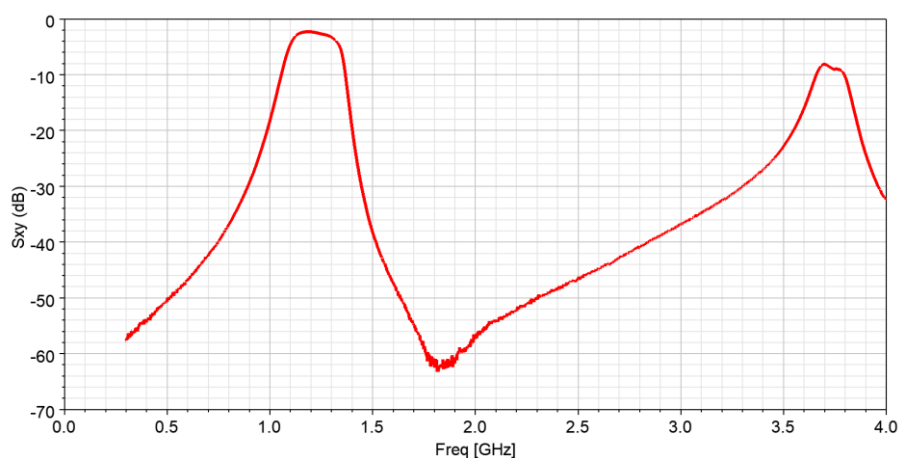
Filter's performance was measured in free space and at normal conditions.

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

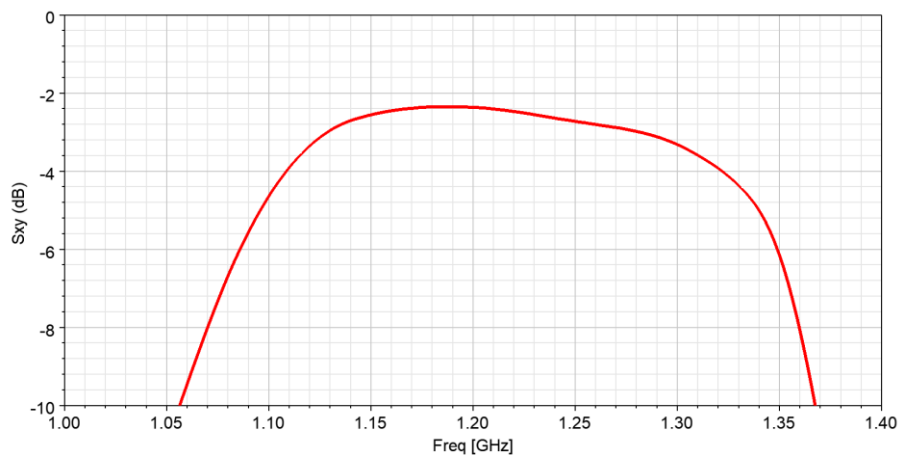
The filter can be additionally equipped with mounting holes.

1.11 – 1.32 GHz PCB Band Pass Filter for Telecommunication

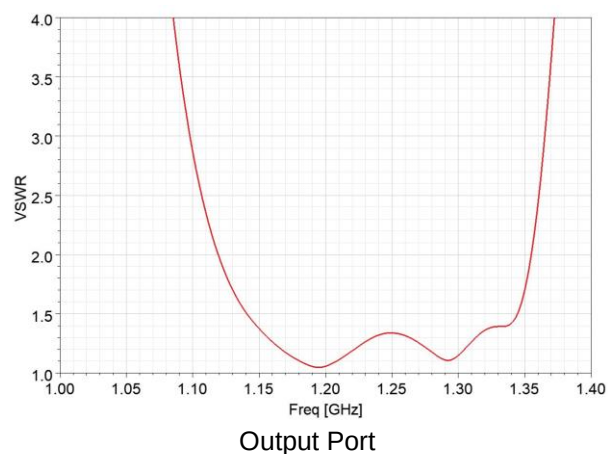
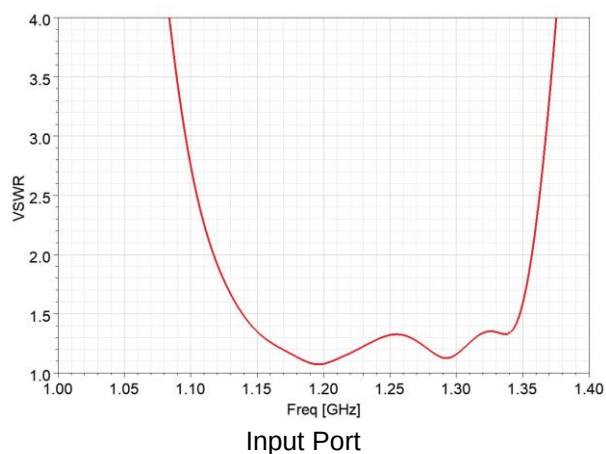
Measured transmission coefficient WB



Measured transmission coefficient NB



Measured input/output matching (VSWR)



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1.11 – 1.32 GHz PCB Band Pass Filter for Telecommunication

Features

- **Compatibility:** This filter is specifically designed for use with 1.2-1.3GHz video receivers and compatible TBS Crossfire systems.
- **Enhanced Video Reception:** The filter effectively blocks out interference from other frequency bands, particularly 868MHz, 915MHz, 1.5GHz, 2.45GHz, and 5.8GHz, resulting in significantly improved video reception quality for receivers operating within the 1.2-1.3GHz range.
- **Seamless Installation:** The filter mounts easily between the video receiver and antenna, making it simple to integrate into existing FPV systems.
- **Elevated FPV Experience:** By effectively filtering out interference, the filter mitigates video artifacts, distortion, and signal degradation, providing a more immersive and enjoyable FPV experience.

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