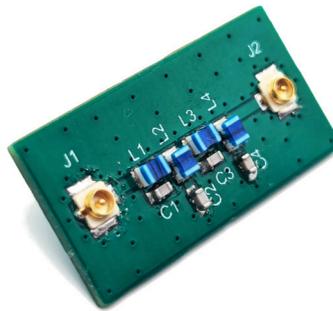


FPV TBS Crossfire, ELRS, R9, DragonLink etc. Notch Filter for 1.2 / 1.3 / 2.4 GHz Video Receivers



General information

433...915 MHz Band Stop (Notch) Filter for 1080... 1360 MHz and above (up to 3 GHz) video receivers or other RF systems working above 1080 MHz. This filter suppresses signals in the frequency range between 433 MHz and 915 MHz and passes through all signals below 300 MHz or above 1080 MHz. It has a very high suppression especially between 680 MHz and 915 MHz and a low insertion loss above 1080 MHz.

Typical applications

RF notch filter 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 Notch Filter based on SMD components			
Bands of suppression [MHz]	433 ...915 (ISM bands 433 / 868 / 915 MHz)			
Frequency [MHz]	680	800	880	915
Transmission coefficient S21 [dB]	-24	-50	-38	-21
Maximum input power [W]	2			

Mechanical data

Filter PCB dimensions [mm]	13.2 x 26 x 1
Connector type ¹⁾	Hirose U.FL (UMCC) / IPEX MHF1 compatible 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.

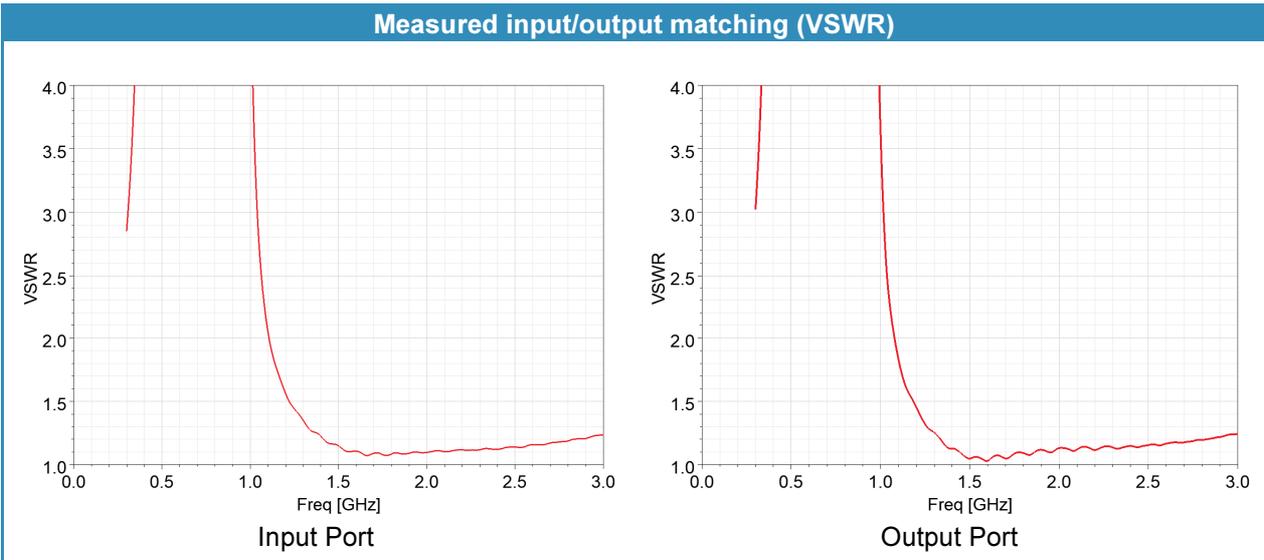
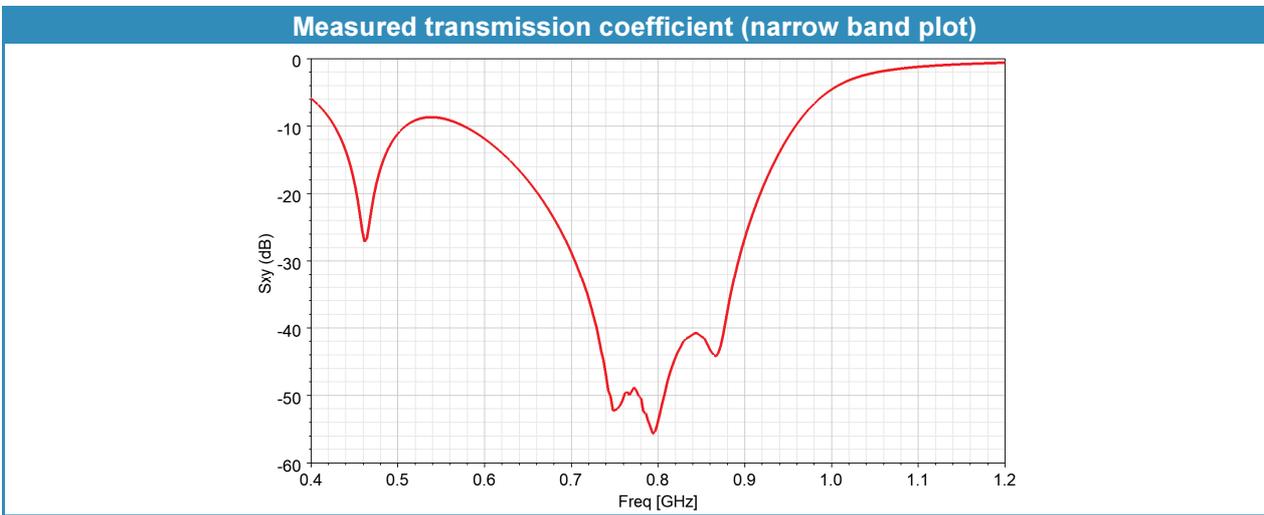
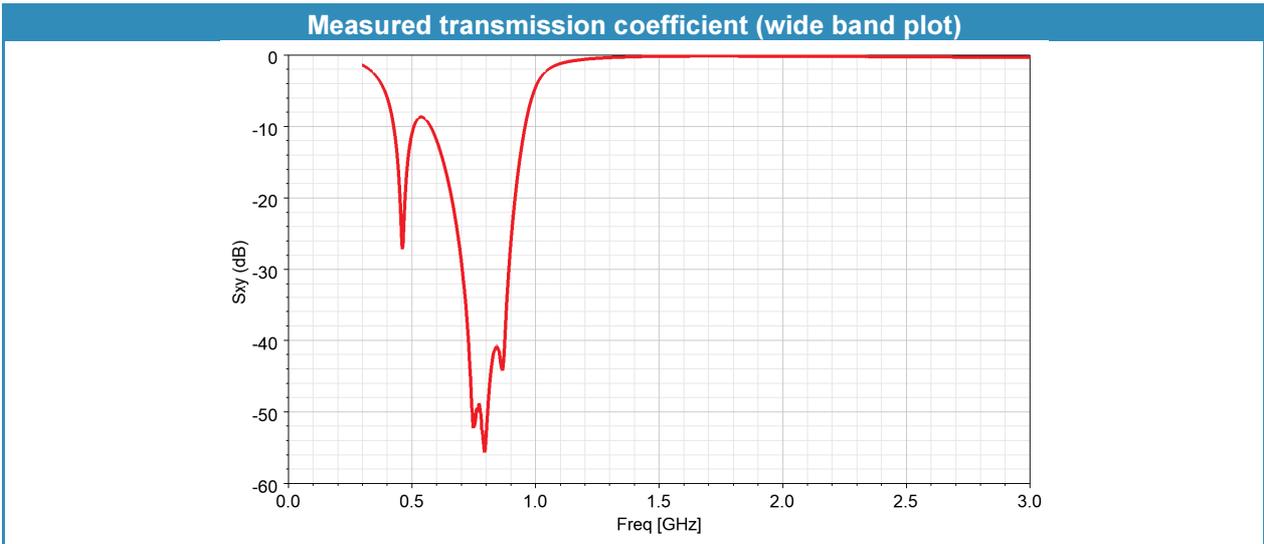
Filter's performance was measured in free space and at normal conditions.

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

The filter can be additionally equipped with mounting holes.

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