

BPF_SAW2 Band Pass Filter

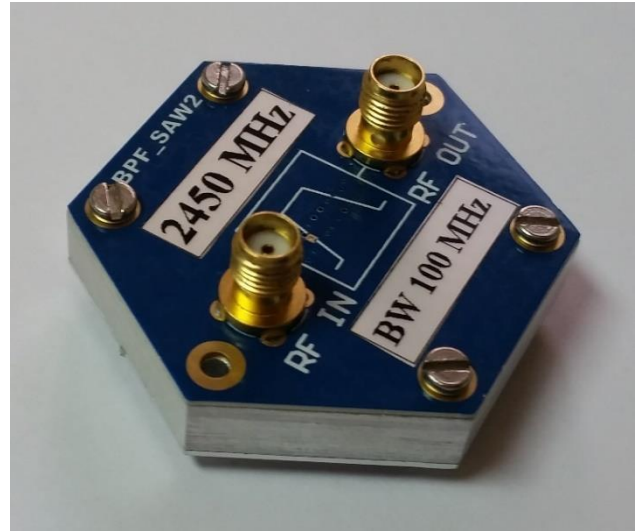
BPF_SAW2

Description

BPF_SAW2 Band Pass Filter, based on SAW (Surface Acoustic Wave) Technology.

Features

- Low-loss RF filter
- Flat pass band
- Low insertion loss
- High out of band rejection



Applications

- Wireless transmitters and receivers
- Military applications
- Test Instrumentation

Order Code	Center Frequency	Bandwidth
BPF_SAW2_1900M_40M	1900 MHz	40 MHz
BPF_SAW2_2450M_100M	2450 MHz	100 MHz
BPF_SAW2_2436M_72M	2436 MHz	72 MHz

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Electrical Specifications (BPF_SAW2_2450MHz)

Parameter	Minimum	Typical	Maximum	Unit
Return Loss	-20	-17.5	-15	dB
Pass Band Insertion Loss		-1		dB
Stop Band Attenuation		-35		dB
Operating Temperature	-40		+85	°C

Max. Ratings

RF input power	20dBm
Operating Temperature	-40°C to 85°C

Exceeding any of the limits of this section may lead to permanent damage to the device. Furthermore, extended operation at these maximum ratings may reduce the life of this device

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Typical Characteristics (BPF_SAW2_2450MHz)

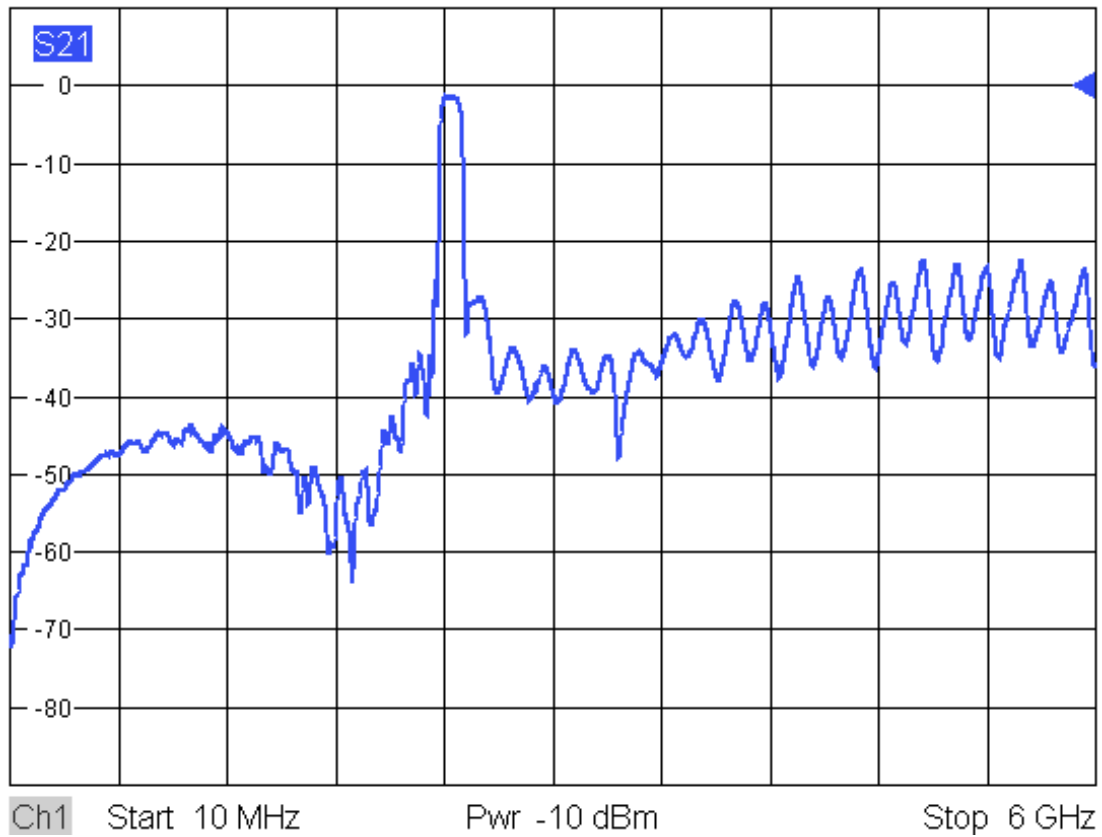


Figure 1, Insertion Loss (S21) vs Frequency

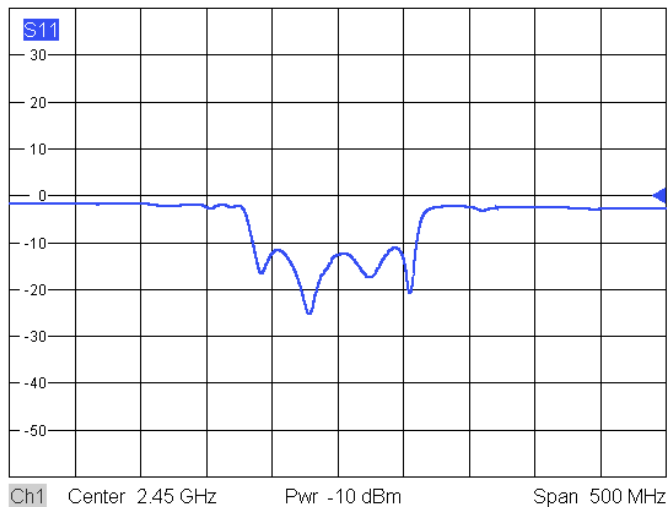


Figure 2, Input Return Loss (S11) vs Frequency

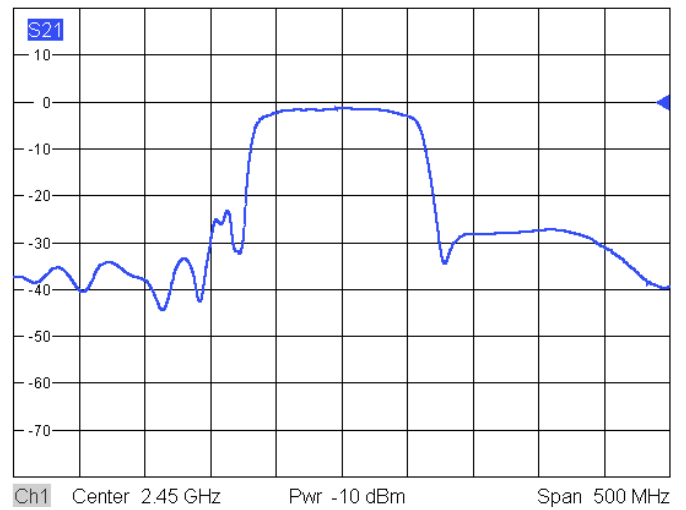


Figure 3, Insertion Loss (S21) vs Frequency