

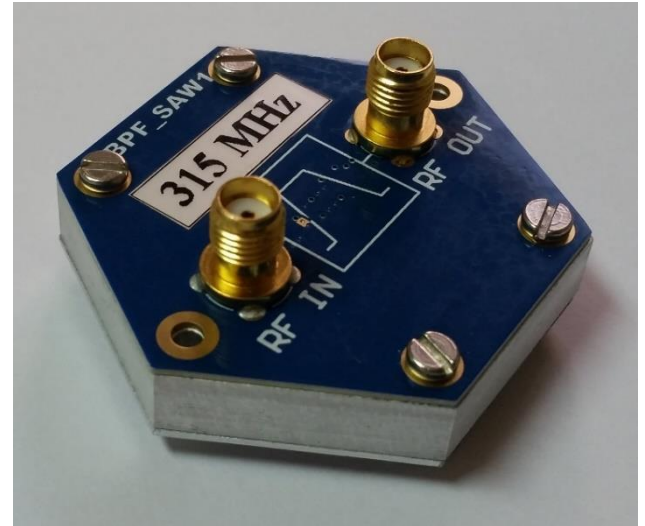
BPF_SAW1

Description

BPF_SAW1 Band Pass Filter, based on SAW (Surface Acoustic Wave) technology.

Features

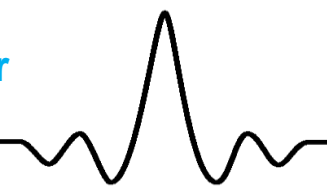
- Low-loss RF filter
- Flat pass band
- Low insertion loss
- High out of band Rejection



Applications

- Wireless transmitters and receivers
- Military applications
- Test Instrumentation

Order Code	Center Frequency	Bandwidth
BPF_SAW1_315M_2M	315 MHz	2 MHz
BPF_SAW1_434M_5M	434 MHz	5 MHz
BPF_SAW1_915M_25M	915 MHz	25 MHz
BPF_SAW1_1575M_20M	1575.42 MHz	20 MHz
BPF_SAW1_2440M_80M	2440 MHz	80 MHz



Electrical Specifications (BPF_SAW1_315M_2M)

Parameter	Minimum	Typical	Maximum	Unit
Return Loss	-29	-20	-15	dB
Pass Band Insertion Loss		-2		dB
Stop band attenuation		-40		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

Typical Characteristics (BPF_SAW1_315M_2M)

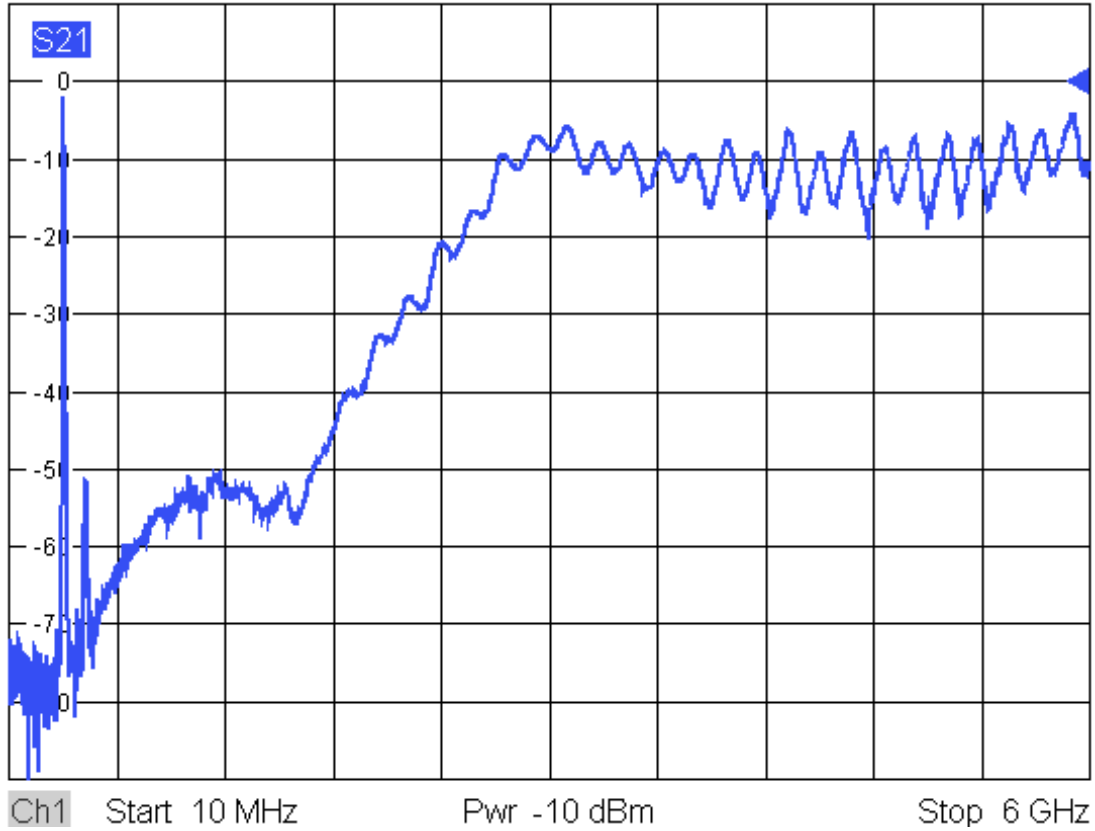


Figure 1, Insertion Loss (S21) vs Frequency

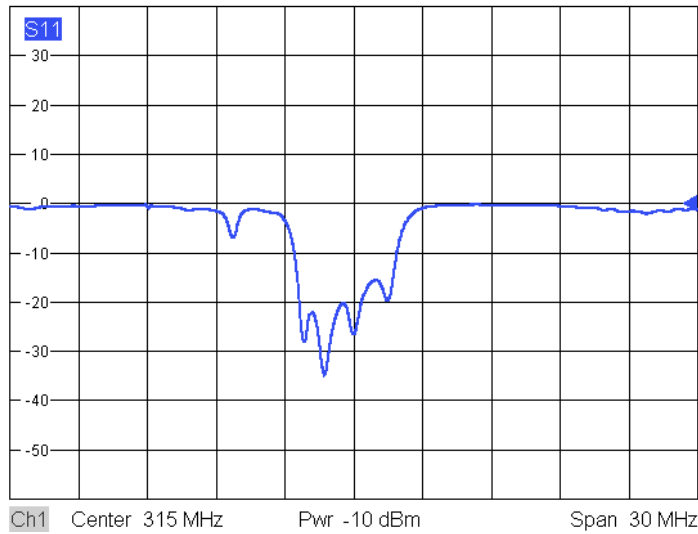


Figure 2, Input Return Loss (S11) vs Frequency

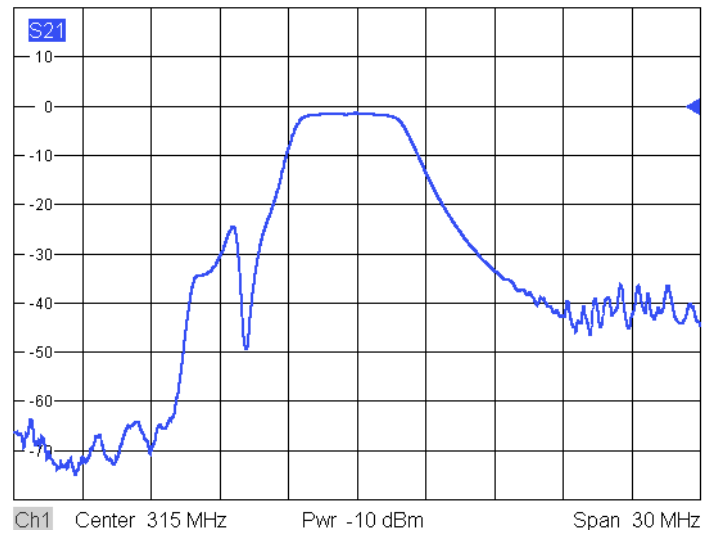


Figure 3, Insertion Loss (S21) vs Frequency