

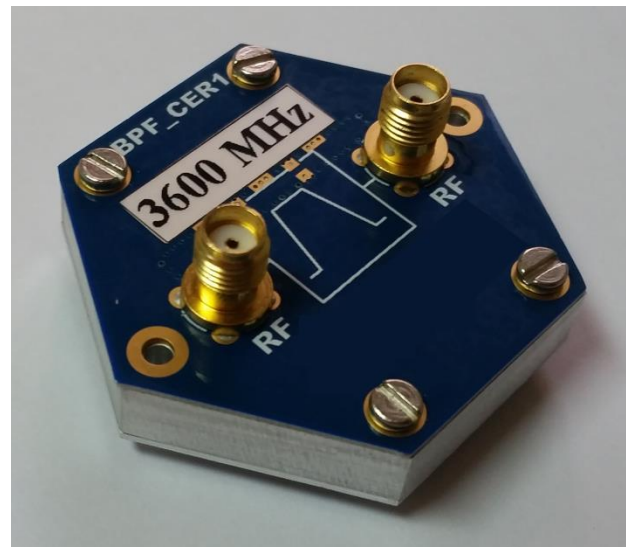
## BPF\_CER1

### Description

BPF\_CER1 Band Pass Filter, based on Ceramic Filters 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_CER1_2450M_100M	2450 MHz	100 MHz
BPF_CER1_2450M_400M	2450 MHz	400 MHz
BPF_CER1_3600M_600M	3600 MHz	600 MHz
BPF_CER1_5500M_725M	5500 MHz	725 MHz
BPF_CER1_5500M_975M	5500 MHz	975 MHz
BPF_CER1_5500M_1020M	5500 MHz	1020 MHz

## Electrical Specifications (BPF\_CER1\_3600M\_600M)

Parameter	Minimum	Typical	Maximum	Unit
Return Loss	-25	-22	-19	dB
Pass Band Insertion Loss		-5		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\_CER1\_3600M\_600M)

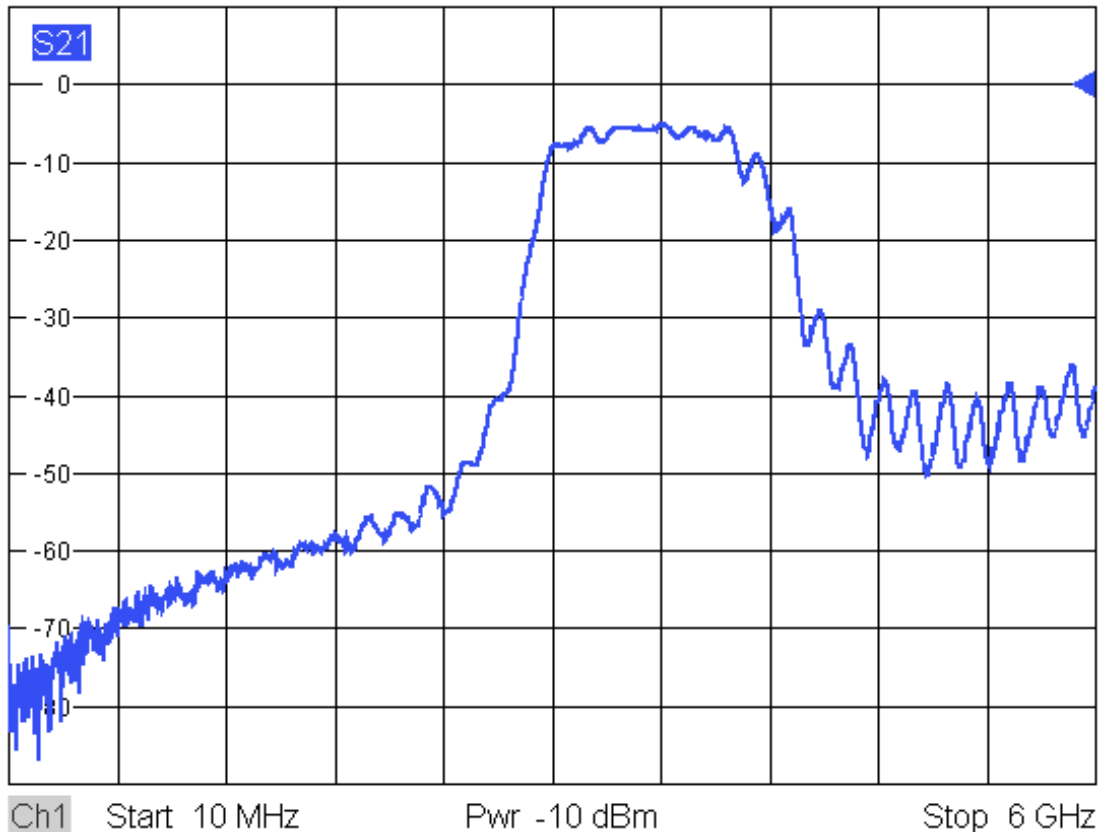


Figure 1, Insertion Loss (S21) vs Frequency

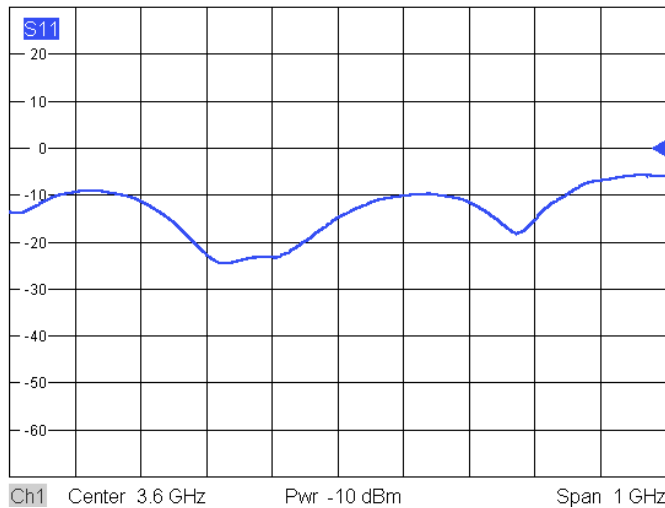


Figure 2, Input Return Loss (S11) vs Frequency

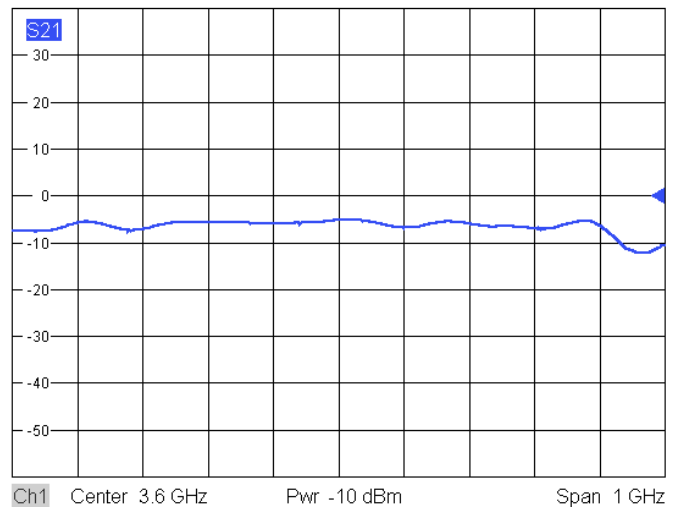


Figure 3, Insertion Loss (S21) vs Frequency