

## BPF Series

## 500-800MHz Band Pass Filter

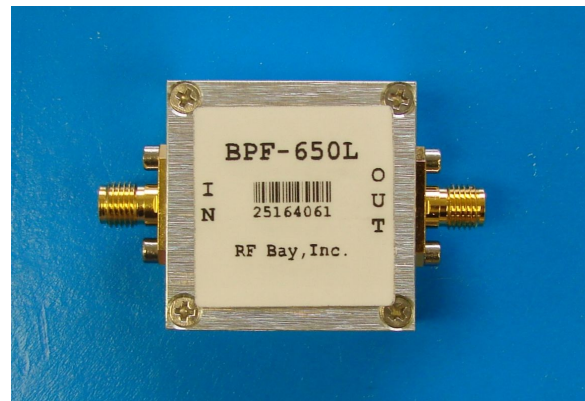
### Features

- Center Frequency: 650MHz
- Pass Band: 500 – 800MHz
- Insertion Loss: 2dB
- Input/Output Impedance: 50Ω
- Maximum Input Power: 8W
- LTCC Technology
- SMA Connector

### Description

BPF-650L is a LTCC 500 - 800MHz Band Pass Filter for Wide Band application.

### Picture



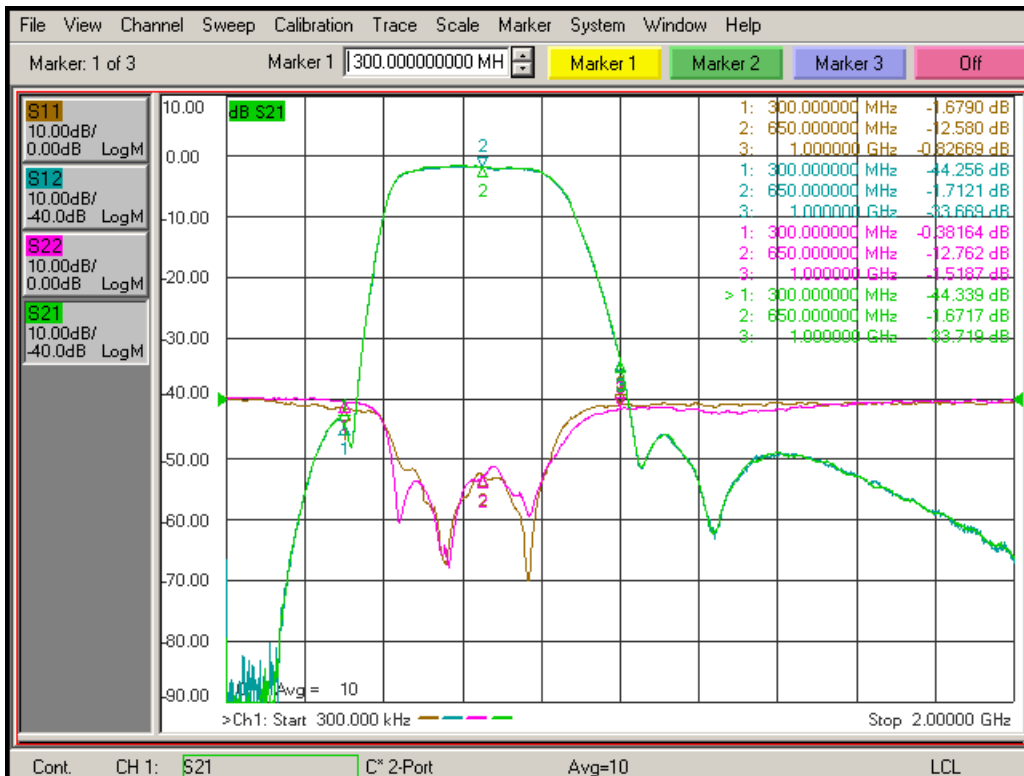
### Electrical Specifications @ +25 °C, $Z_S = Z_L = 50 \Omega$

Parameter	Unit	Minimum	Typical	Maximum
Frequency Range	MHz	500		800
Center Frequency	MHz		650	
Insertion Loss	dB		2.0	
Rejection at 300MHz	dB		40	
Rejection at 1000MHz	dB		30	
Maximum Input Power	W		8.0	
Input/output impedance	Ω		50	
Group Delay	ns		2.5	
Group Delay Ripple	ns		±1.0	
VSWR	Input VSWR Output VSWR		2.0:1 2.0:1	
Size (excluding SMA connectors)	inch	1.25" x 1.25" x 0.56"		
Weight	Oz	1.5		

Note: Input and output are interchangeable

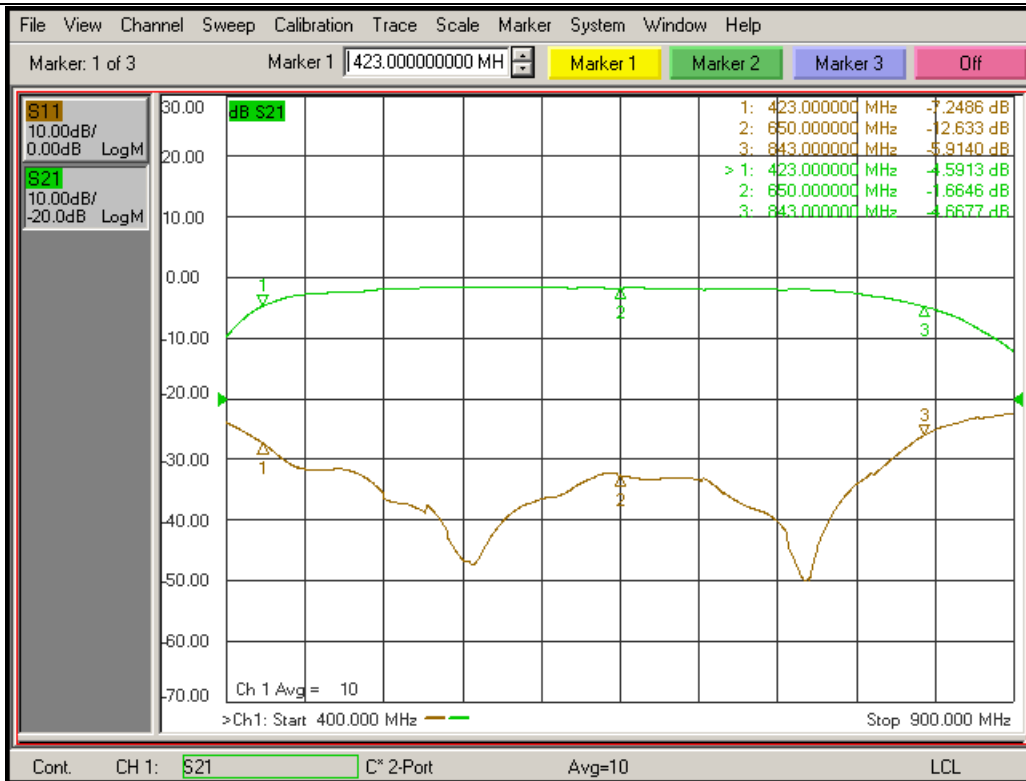
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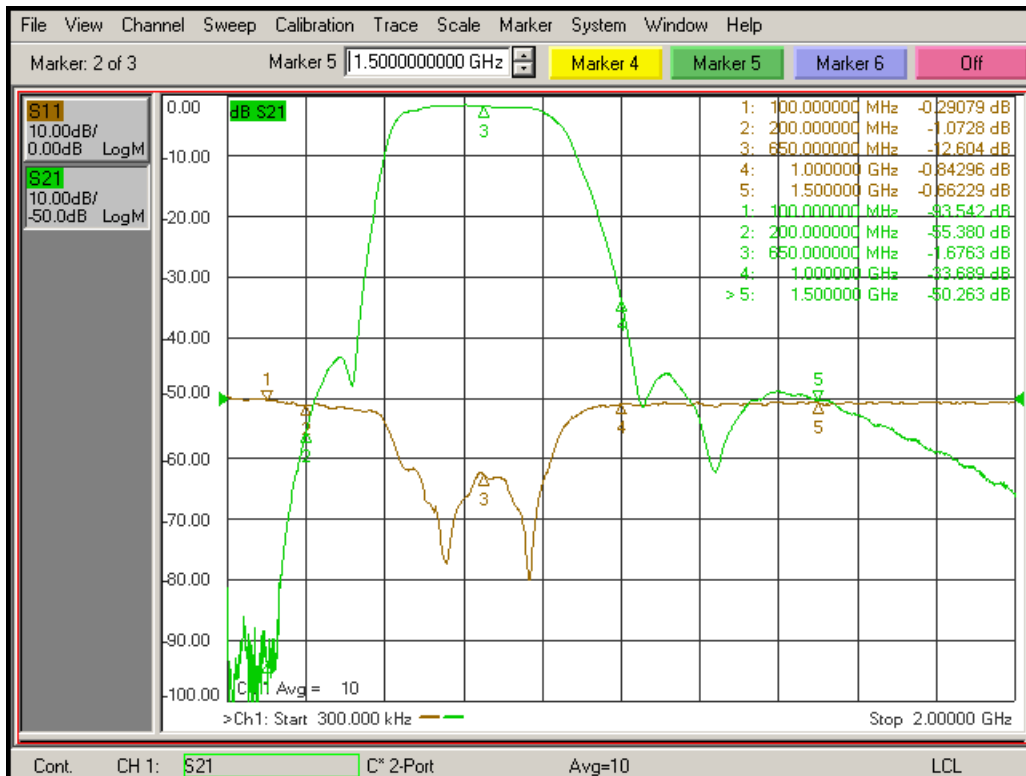
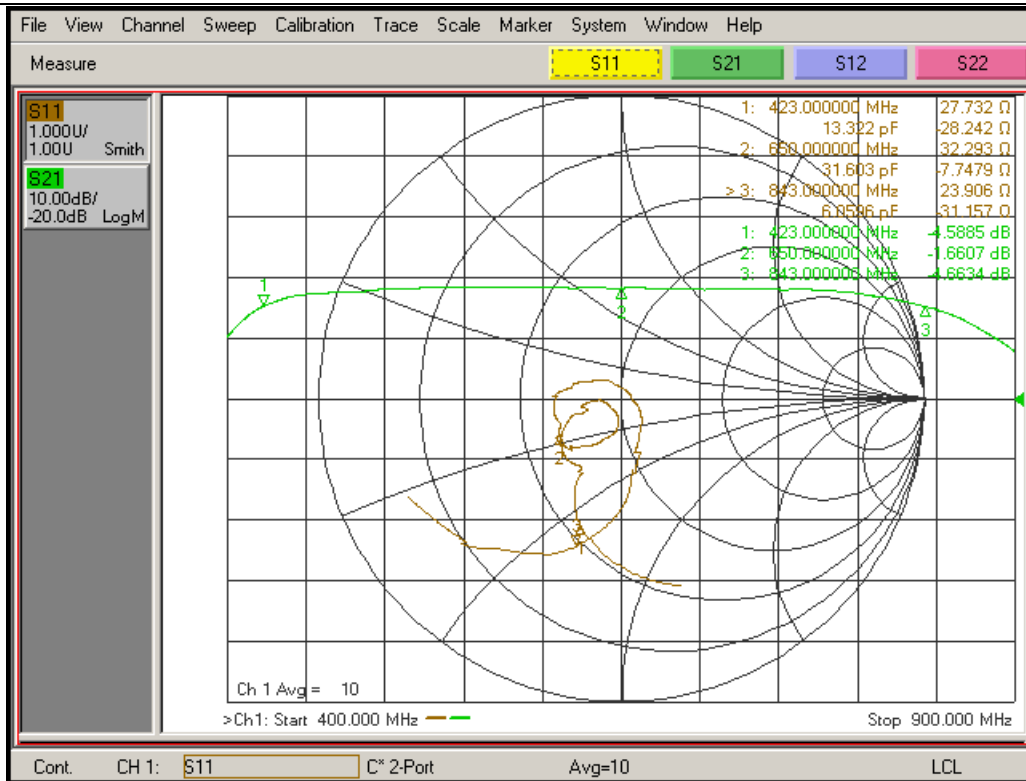
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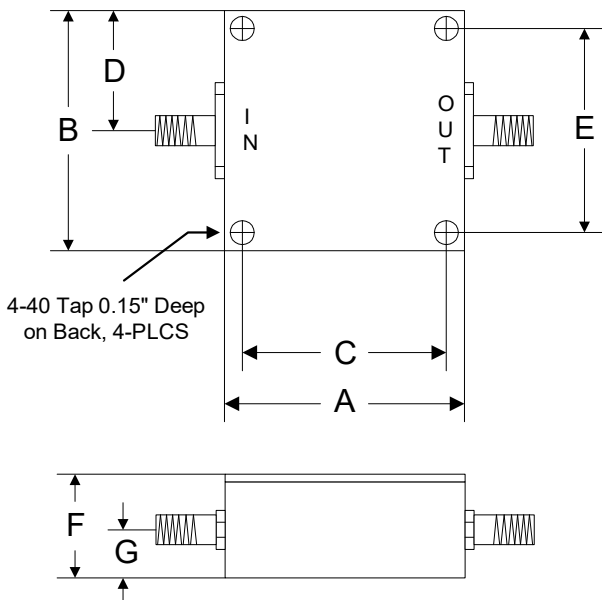
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### Absolute Maximum Ratings

Parameter	Absolute Maximum
RF Input Power	+39dBm
Operating Temperature	-40 °C to +85 °C
Storage Temperature	-65 °C to +150 °C

### Outline



	A	B	C	D	E	F	G
Inch	1.250	1.250	1.000	0.625	1.000	0.563	0.250
mm	31.75	31.75	25.40	15.88	25.40	14.29	6.35