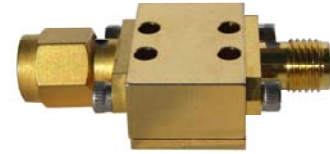


## FEATURES:

- 900 – 1200 MHz Rejection;
- - 40 dB Rejection;
- 0.45 dB Insertion Loss;
- DC – 300MHz Passband;
- 2.0 – 18.0GHz Passband;
- 5W CW Power Rated;
- -40 ~ +85 °C Operation;
- RoHS Compliant

## APPLICATIONS:

- Radar;
- Receivers;
- ECM System;
- WBA Systems;
- Point to Point;
- Test & Measurement;
- Wide Band PA Driver



## LBNF0912A – 900 ~ 1200 MHz Notch Filter

### ELECTRICAL SPECIFICATIONS @ 25 °C

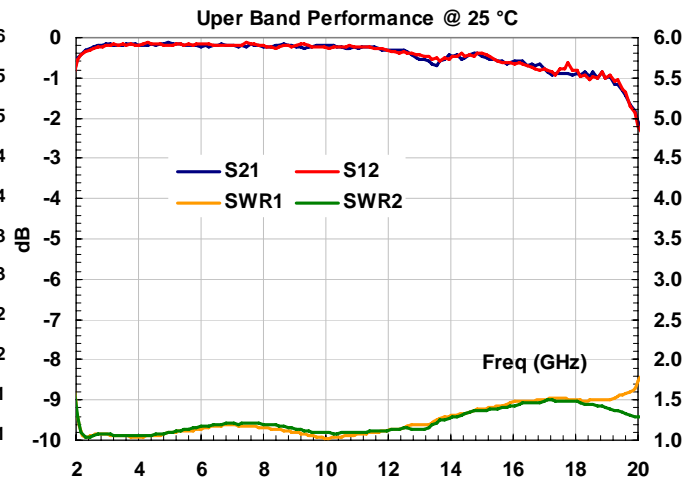
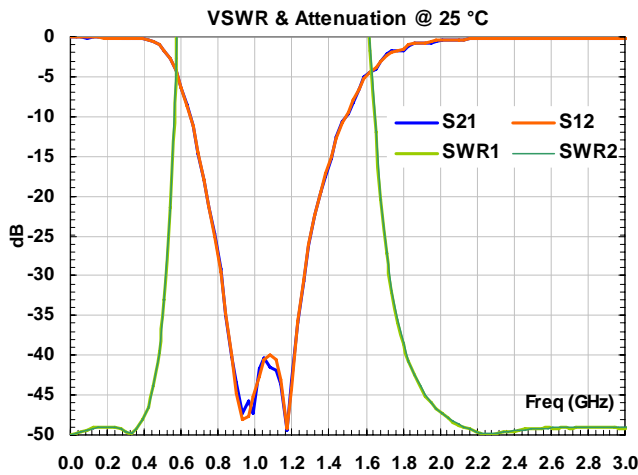
Symbol	Parameters/Conditions	Unit	Min	Typical	Max
$F_{\text{Notch}}$	Notch Band	MHz	900		1200
$IL_N$	Notch Band Rejection	dB		-40	-35
$IL_P$	Passband Insertion Loss	dB		0.3	1.5
$F_{LP}$	Lower Passband	MHz	DC		300
$F_{HP}$	Upper Passband	GHz	2.0		18.0
$P_o$	CW Power handling	W		5.0	
$VSWR_1$	VSWR – Input	Ratio		1.25:1	2:1
$VSWR_2$	VSWR – Output	Ratio		1.25:1	2:1

[1] Operation beyond these limits may cause permanent damage.

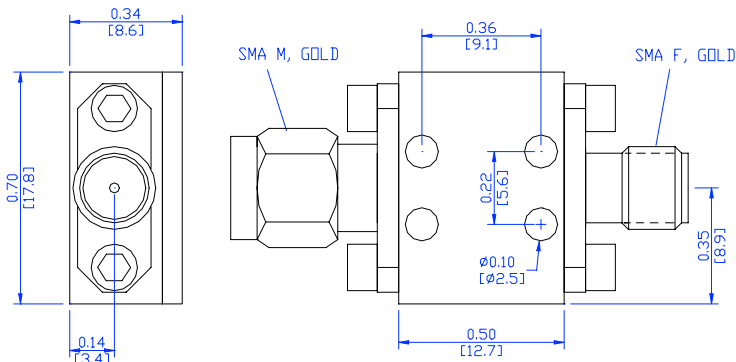
### ABSOLUTE MAXIMUM RATINGS<sup>1</sup>

Parameters/Conditions	Unit	Maximum
Operating Temperature	°C	-40/+85
Drain Current	mA	300
DC Voltage	V	25
RF Input Power	W	6
Storage Temperature	°C	+150

### ELECTRICAL PERFORMANCE



### MECHANICAL OUTLINE



### ORDERING INFORMATION: LBNF0912A