

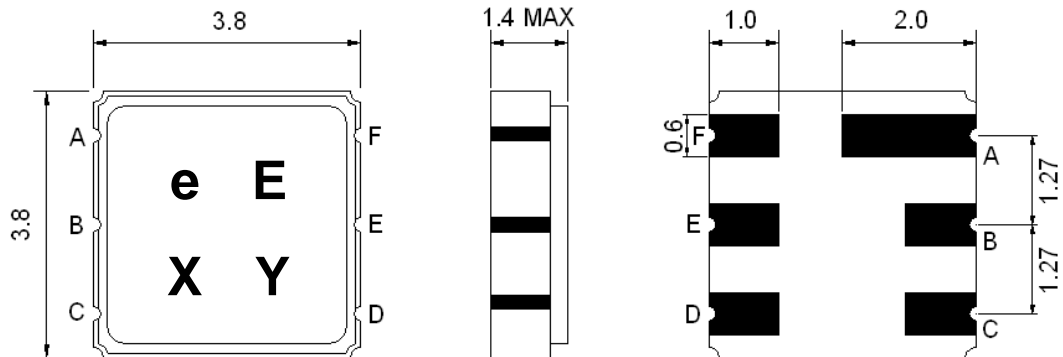
- Wireless, RF SAW Filter
- Revision 0: September 2013

### Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	S30			
Length x Width	mm <sup>2</sup>	-	3.8 x 3.8	-
Height	mm	-	-	1.4

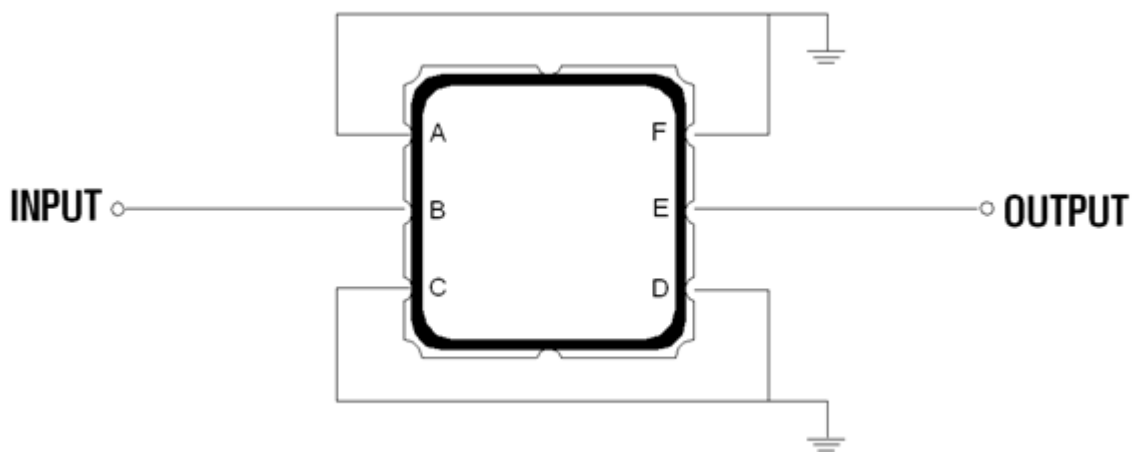
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	622.0	-
Insertion Loss within 620.0 ~ 624.0 MHz	dB	-	1.7	2.5
Amplitude Ripple within 620.0 ~ 624.0 MHz	dB <sub>p-p</sub>	-	0.5	1.0
Group Delay Ripple within 620.0 ~ 624.0 MHz	ns	-	50	100
<b>Attenuation:</b>				
D.C ~ 500.0 MHz	dB	50	65	-
500.0 ~ 600.0 MHz	dB	40	44	-
635.0 ~ 650.0 MHz	dB	40	43	-
650.0 ~ 1000.0 MHz	dB	45	53	-
1000.0 ~ 2000.0 MHz	dB	35	43	-
2700.0 ~ 3000.0 MHz	dB	17	21	-
VSWR within 620.0 ~ 624.0 MHz	-	-	1.4	2.0

**Notes:** (1) No Matching Network

**Package Dimensions**


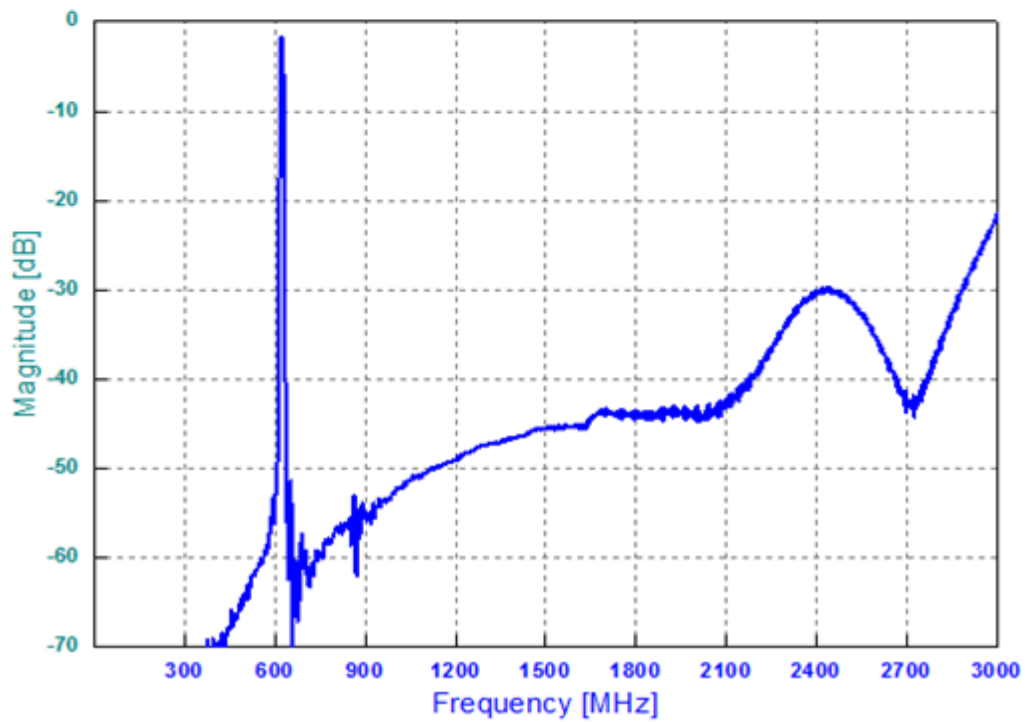
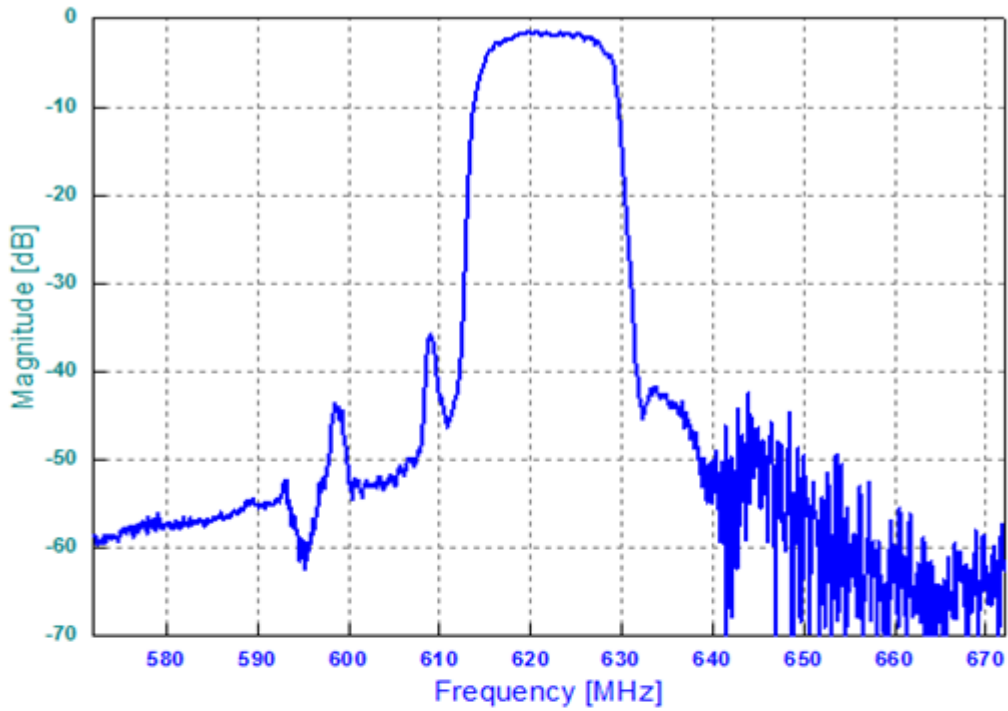
Marking Descriptions	
e	Wireless Application
E	Series Number
X	Date Code (Year)
Y	Date Code (Month)

Pin Description	
A, C, D, F	Ground
B	In
E	Out

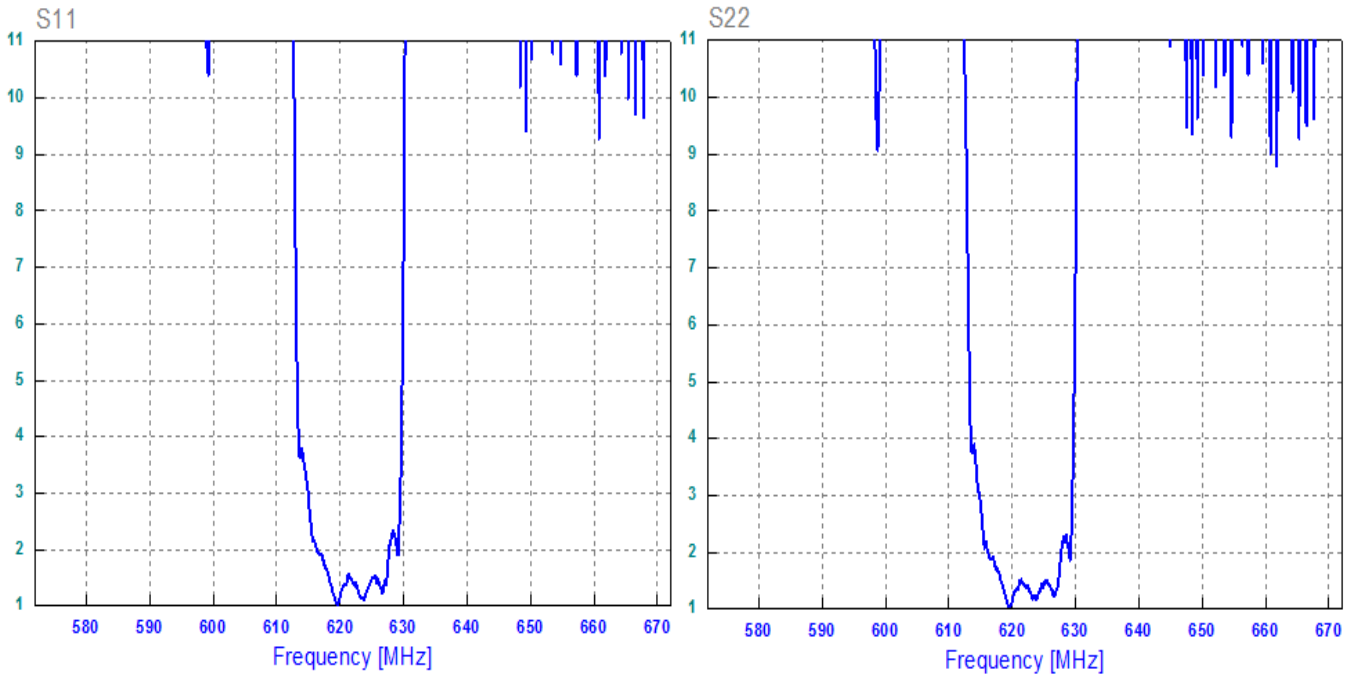
**Testing Environment**

 Source & Load Impedance: 50  $\Omega$

**Frequency Characteristics**

**Frequency Response**



**VSWR**



**Smith Chart**

