- **Wireless, Balanced RF SAW Filter**
- **Revision 0: December 2013**

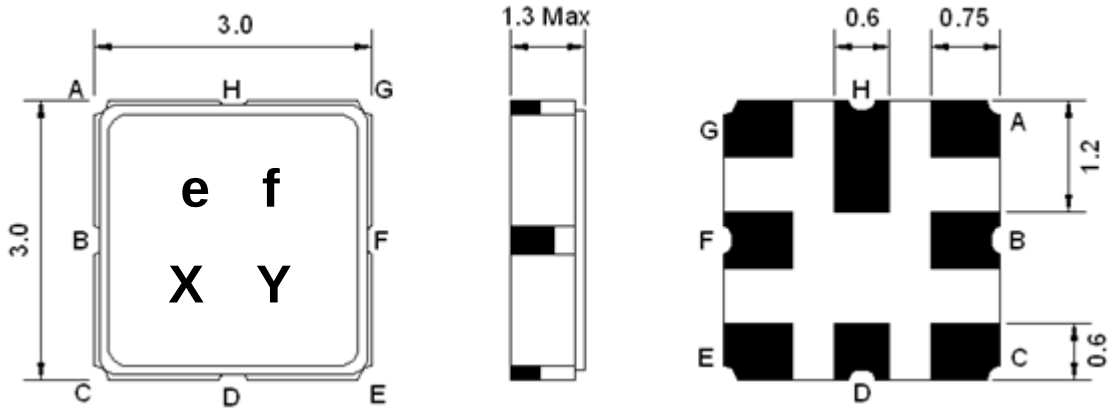
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (balanced)(1)	Ω	-	200	-
Load Impedance (balanced)(1)	Ω	-	200	-
Package type & size	S21			
Length x Width	mm²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Center Frequency (Fo)	MHz	-	1581.5	-
Insertion Loss within 1553.0 ~ 1610.0 MHz	dB	-	4.0	4.5
Amplitude Ripple within 1553.0 ~ 1610.0 MHz	dB_{p-p}	-	0.3	1.5
Group Delay Variation within 1553.0 ~ 1585.0 MHz **within 1593.0 ~ 1610.0 MHz**	ns_{p-p}	-	2	10
Return Loss within 1553.0 ~ 1610.0 MHz	dB	10	17	-
Relative Attenuation:				
800.0 ~ 1450.0 MHz	dB	25	30	-
1450.0 ~ 1460.0 MHz	dB	15	28	-
1720.0 ~ 1750.0 MHz	dB	10	20	-
1750.0 ~ 2000.0 MHz	dB	25	29	-
2000.0 ~ 3000.0 MHz	dB	25	30	-

Notes: (1) With Matching Network

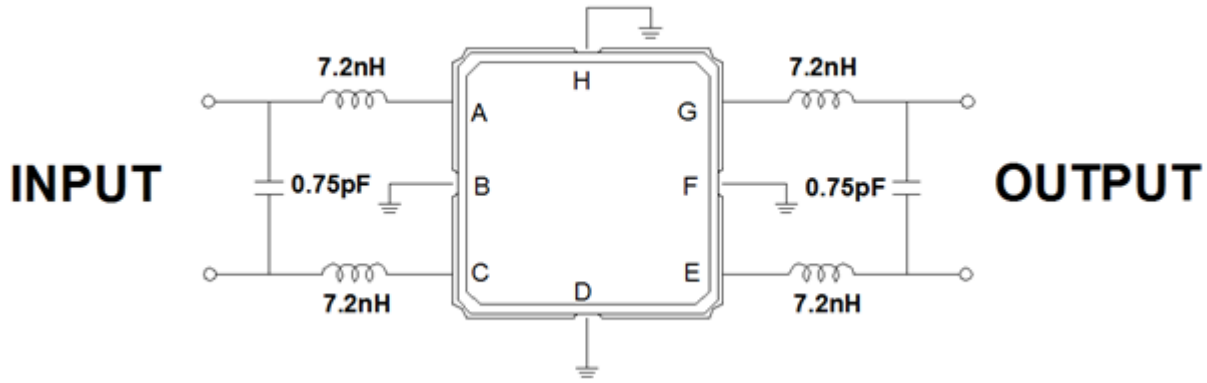
Package Dimensions



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

Pin Description	
B,D,F,H	Ground
A,C	Balanced Input
E,G	Balanced Output

Testing Environment



Source & Load Impedance: 200 Ω

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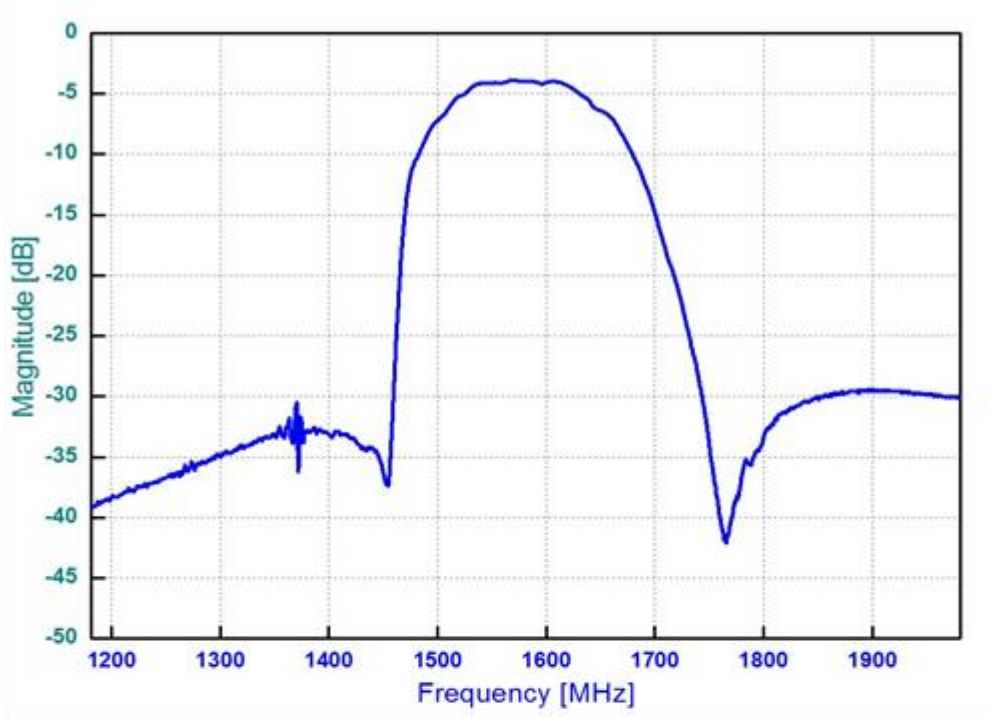
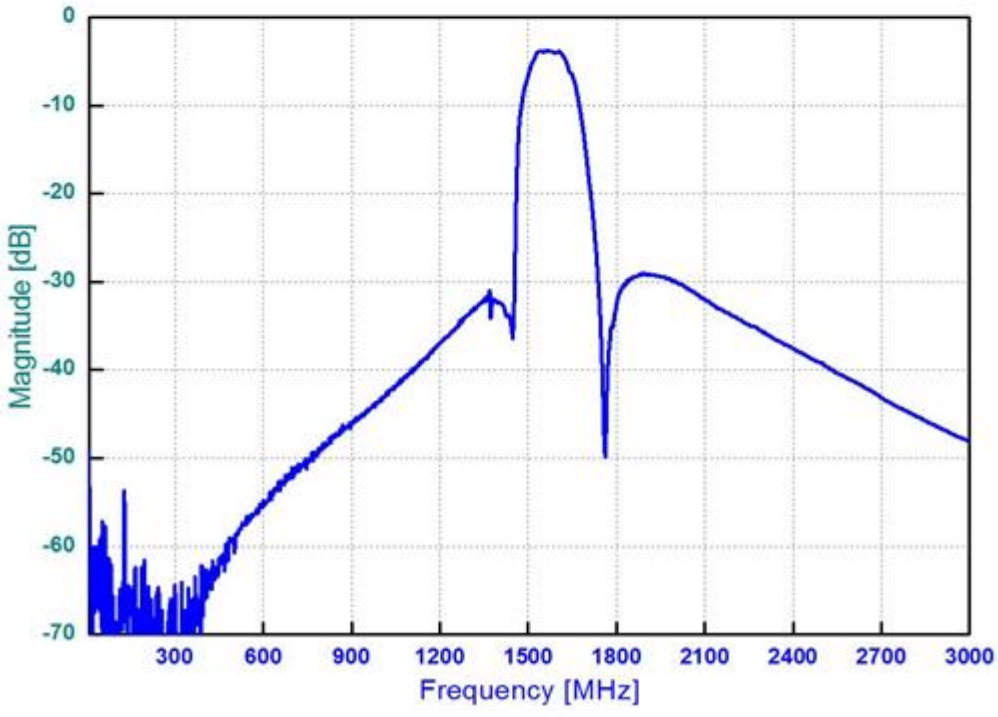
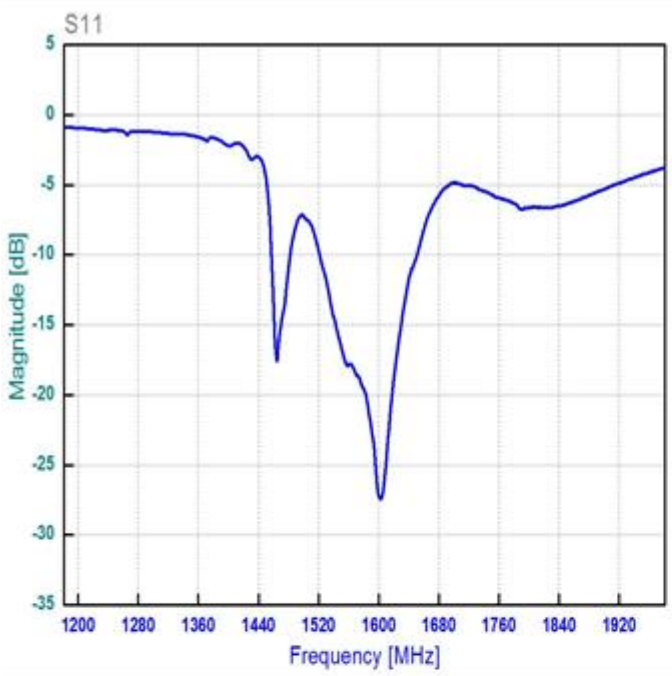
Frequency Characteristics

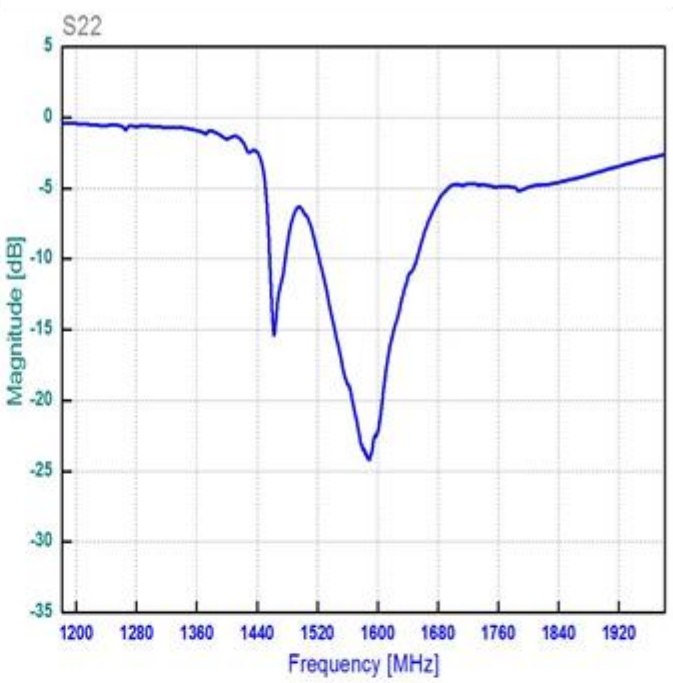
Frequency Response



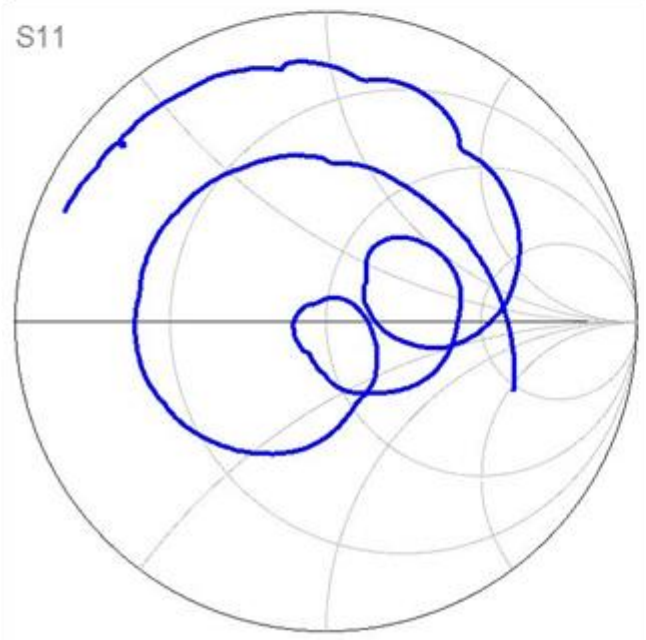


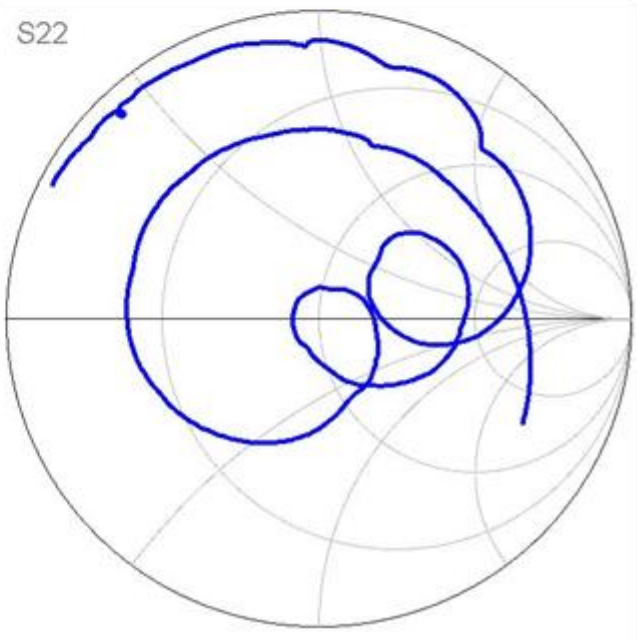
Return Loss





Smith Chart





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