

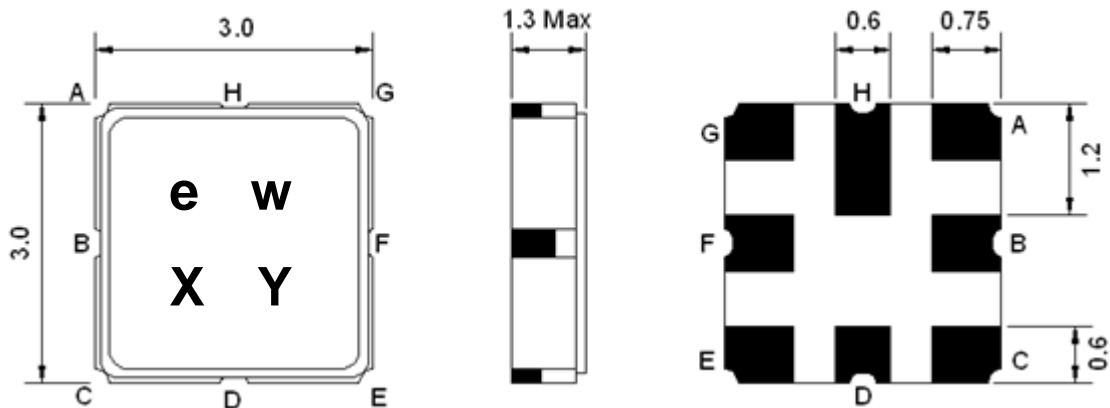
- Wireless, Balanced RF SAW Filter
- Revision 0: March 2014

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	mm ²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

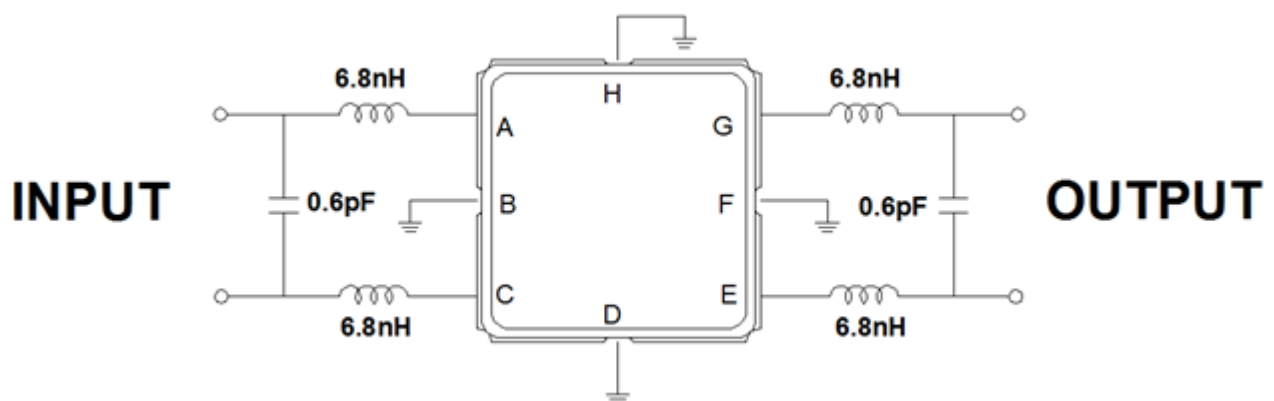
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	1581.5	-
Insertion Loss within 1553.0 ~ 1610.0 MHz	dB	-	3.2	5.0
Amplitude Ripple within 1553.0 ~ 1610.0 MHz	dB _{p-p}	-	0.9	3.0
Group Delay Variation within 1553.0 ~ 1585.0 MHz within 1593.0 ~ 1610.0 MHz	ns _{p-p}	-	2	10
Return Loss within 1553.0 ~ 1610.0 MHz	dB	10	14	-
Relative Attenuation:				
0.3 ~1485.0 MHz	dB	30	32	-
1485.0 ~ 1510.0 MHz	dB	10	20	-
1665.0 ~ 1685.0 MHz	dB	10	20	-
1685.0 ~ 3000.0 MHz	dB	25	28	-

Notes: (1) With Matching Network

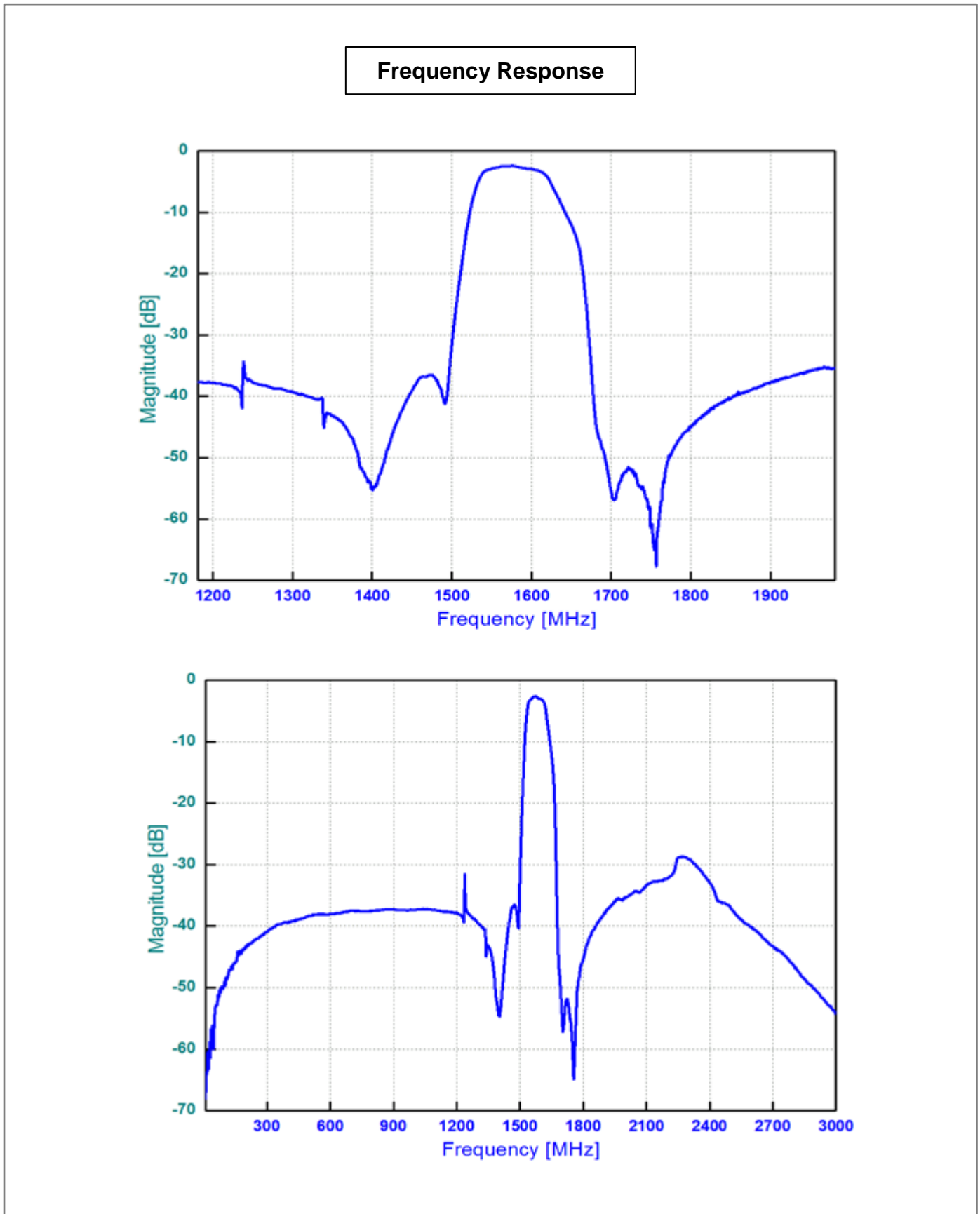
Package Dimensions


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

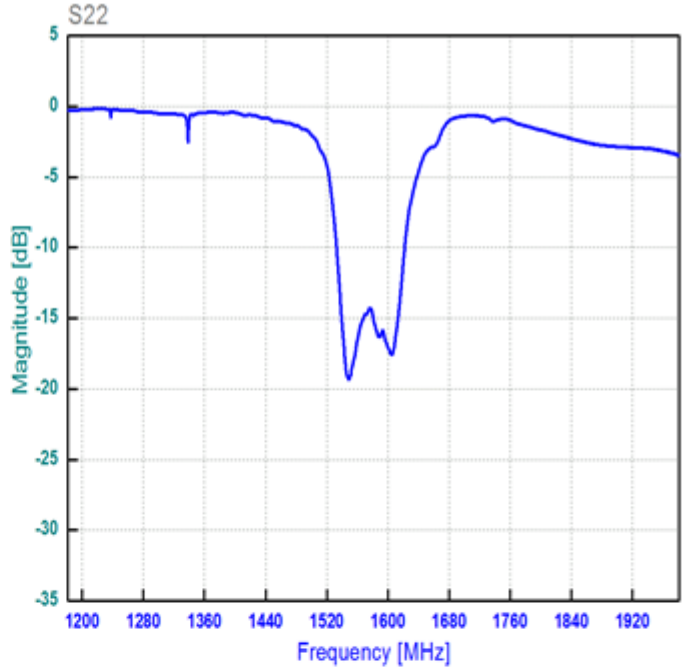
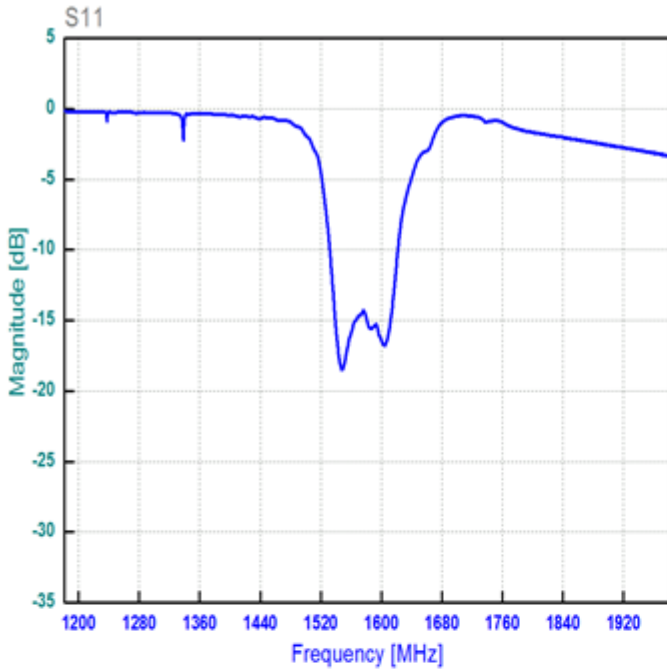
Pin Description	
B,D,F,H	Ground
A,C	Balanced Input
E,G	Balanced Output

Testing Environment

 Source & Load Impedance: 200 Ω

Frequency Characteristics



Return Loss



Smith Chart

