

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

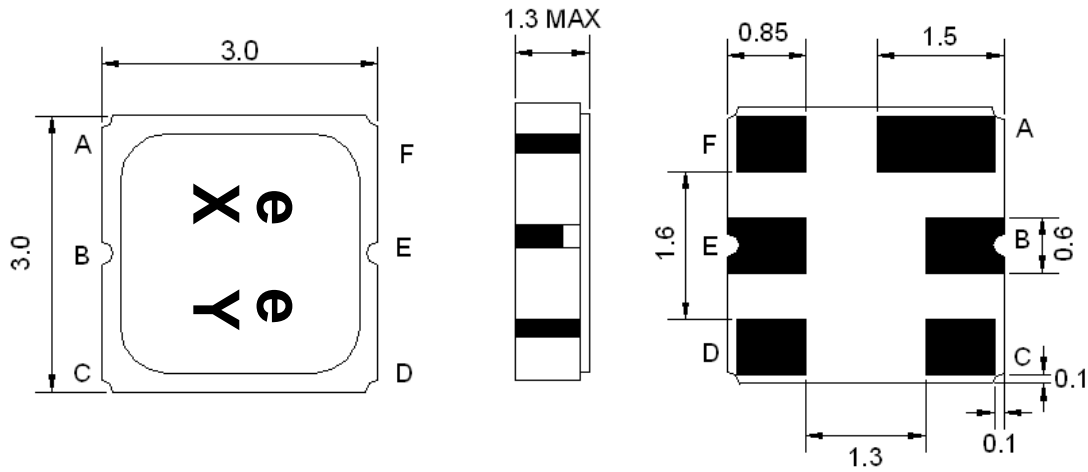
## Electrical Characteristics

MAXIMUM RATINGS				
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 (unbalanced) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (unbalanced) <sup>(1)</sup>	Ω	-	50	-
Package type & size	S20			
Length x Width	mm <sup>2</sup>	-	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	-	2.5	4.0
Amplitude Ripple within 1553.0 ~ 1610.0 MHz	dB <sub>p-p</sub>	-	0.4	1.5
Group Delay Variation within 1553.0 ~ 1585.0 MHz within 1593.0 ~ 1610.0 MHz	ns <sub>p-p</sub>	-	2	10
Return Loss within 1553.0 ~ 1610.0 MHz	dB	10	15	-
Relative Attenuation:				
800.0 ~ 1460.0 MHz	dB	25	28	-
1460.0 ~ 1480.0 MHz	dB	15	25	-
1680.0 ~ 1700.0 MHz	dB	10	25	-
1700.0 ~ 2000.0 MHz	dB	30	36	-
2000.0 ~ 3000.0 MHz	dB	25	32	-

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

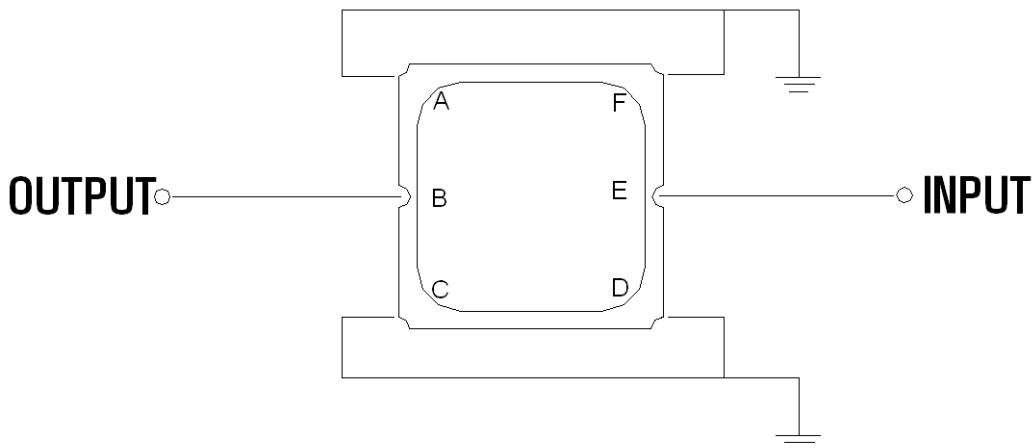
## Package Dimensions



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

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

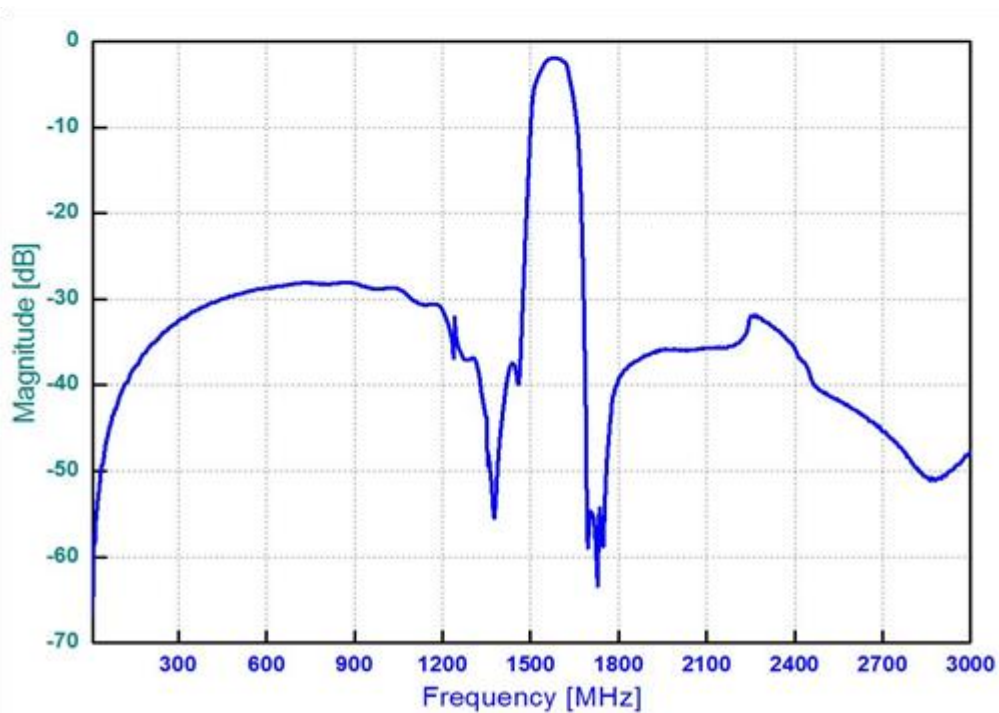
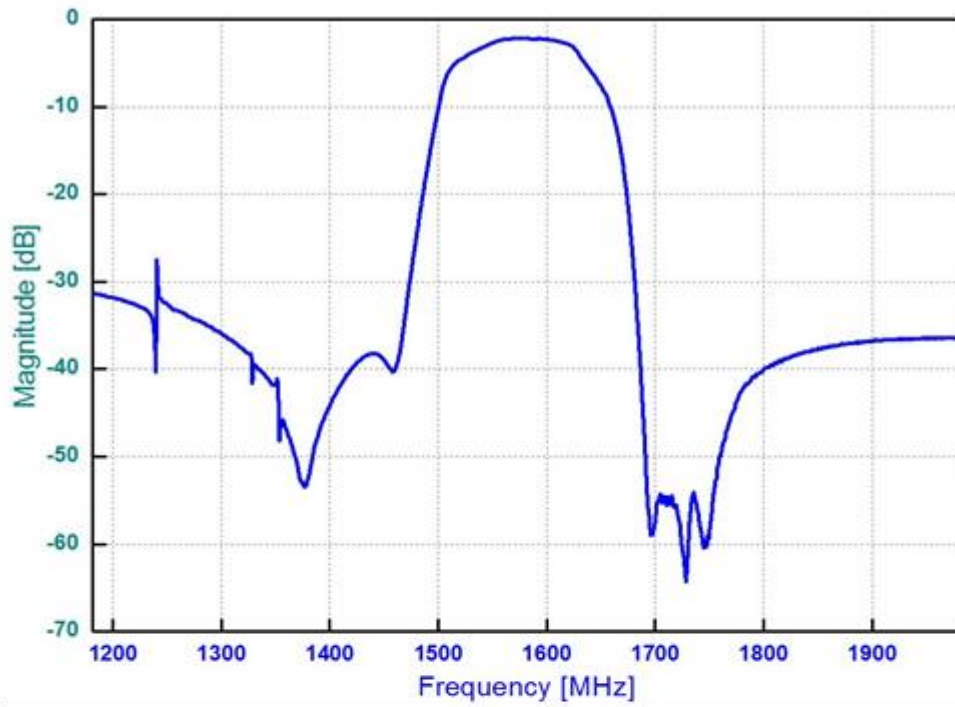
## Testing Environment



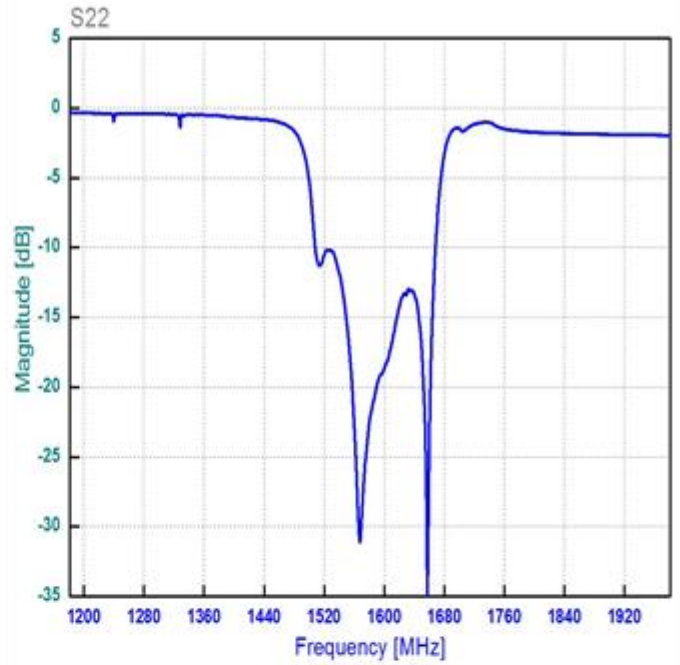
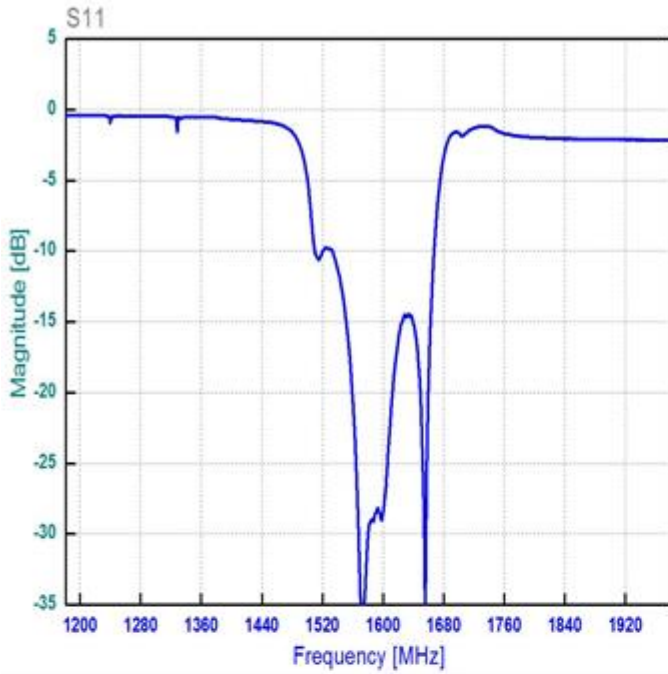
Source & Load Impedance: 50  $\Omega$

**Frequency Characteristics**

**Frequency Response**



## Return Loss



## Smith Chart

