- **Wireless, RF SAW Filter**
- **Revision 0: July 2013**

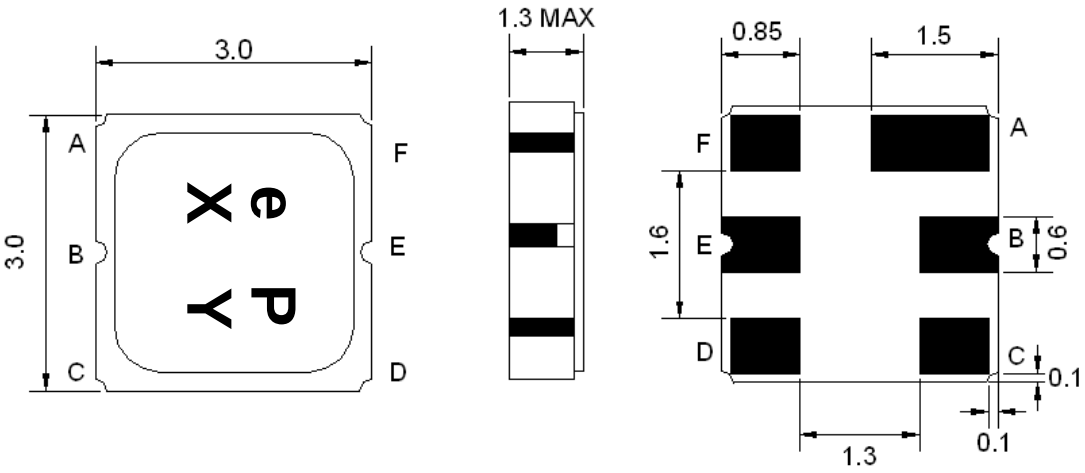
Electrical Characteristics

MAXIMUM RATINGS				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operating Temperature Range	°C	-20	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size			S20	
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	-	2280.0	-
Insertion Loss within 2262.5 ~ 2297.5 MHz	dB	-	1.7	3.0
Amplitude Ripple within 2262.5 ~ 2297.5 MHz	dB_{p-p}	-	0.5	2.0
Group Delay Ripple within 2262.5 ~ 2297.5 MHz	ns_{p-p}	-	3	20
Attenuation:				
D.C ~ 2180.0(Fo-100.0) MHz	dB	30	37	-
2180.0(Fo-100.0) ~ 2220.0(Fo-60.0) MHz	dB	15	24	-
2340.0(Fo+60.0) ~ 2380.0(Fo+100.0) MHz	dB	15	35	-
2380.0(Fo+100.0) ~ 3000.0 MHz	dB	35	46	-
VSWR within 2262.5 ~ 2297.5 MHz	-	-	1.4	2.0

Notes: (1) No Matching Network (Ref. Testing Environment Circuit as shown below).

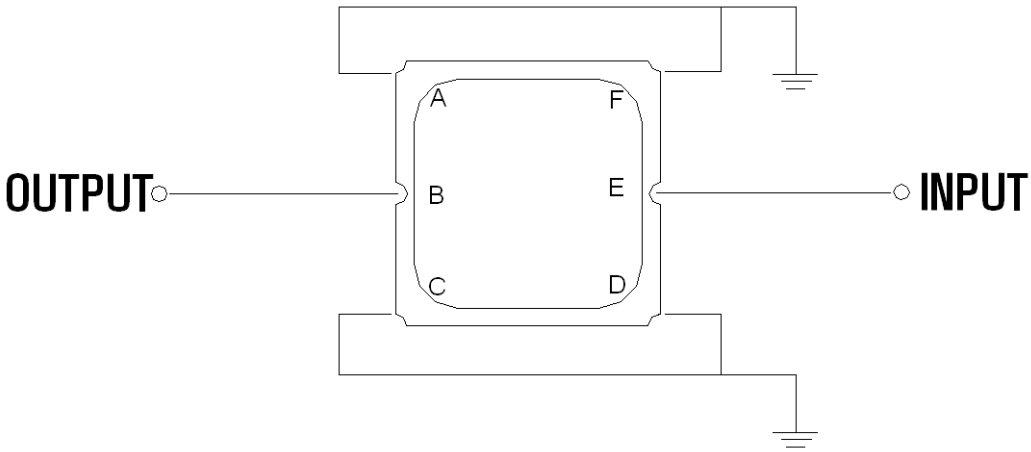
Package Dimensions



Marking Descriptions	
e	Wireless Application
P	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

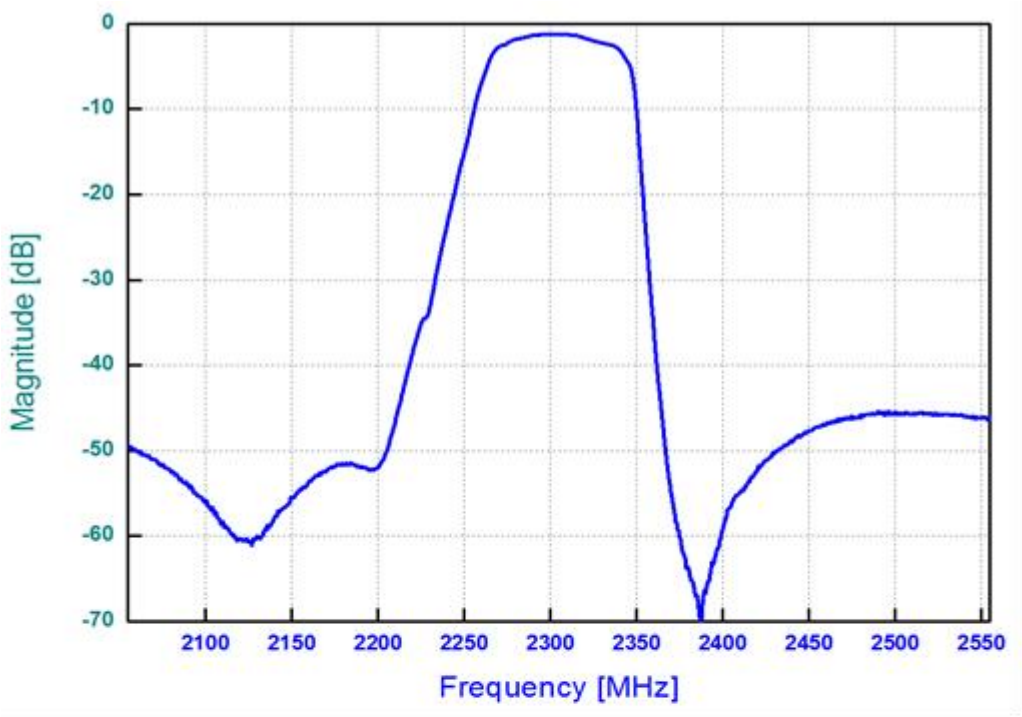
Testing Environment

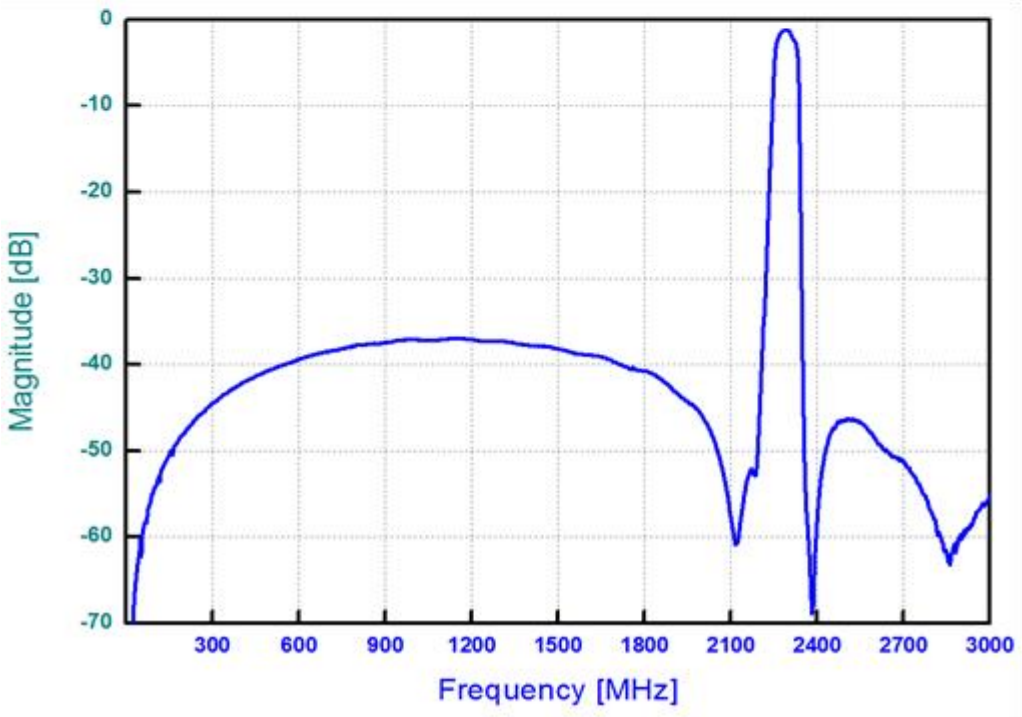


Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response





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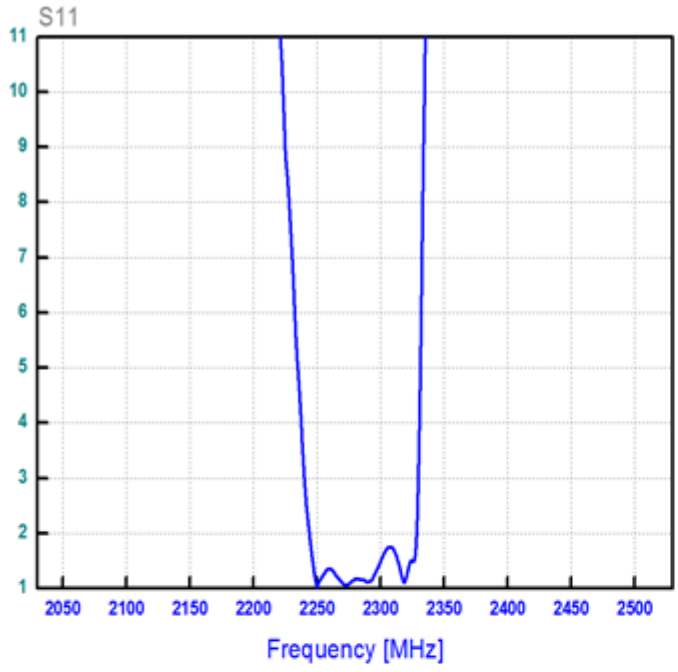
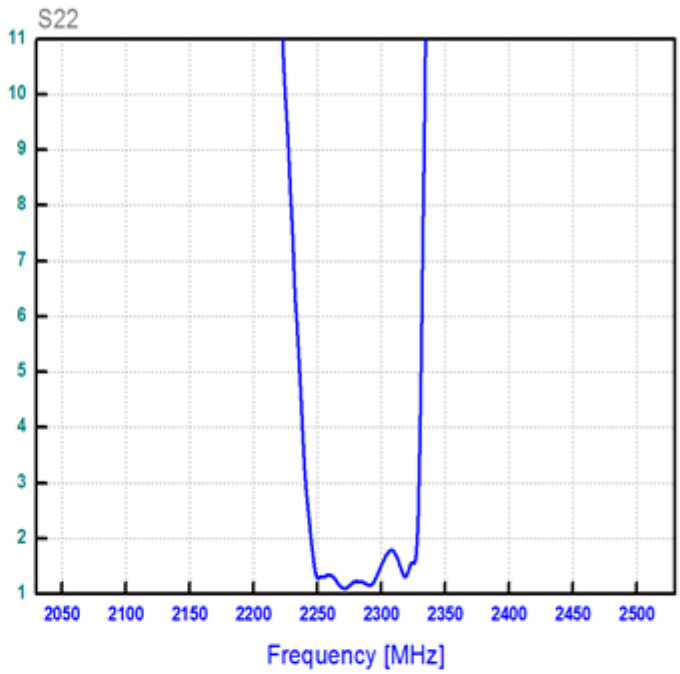
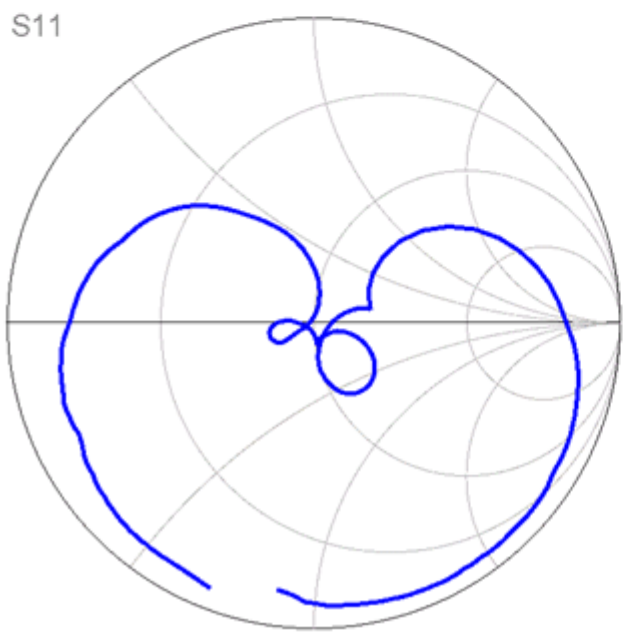
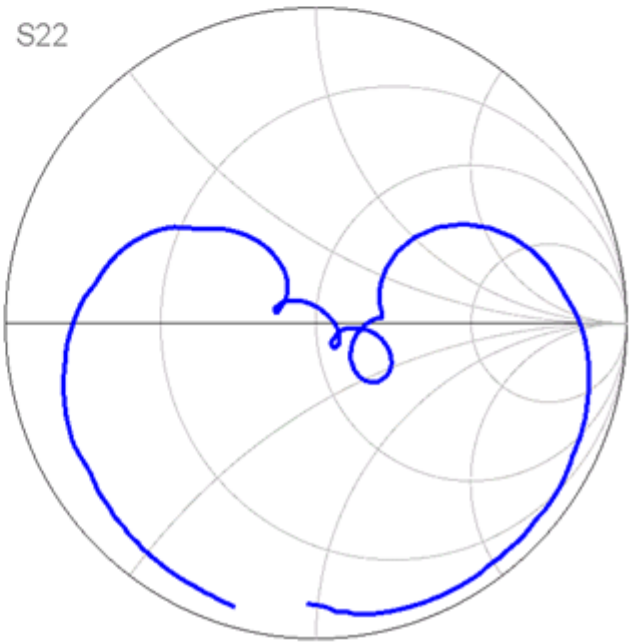
VSWR





Smith Chart





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