

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

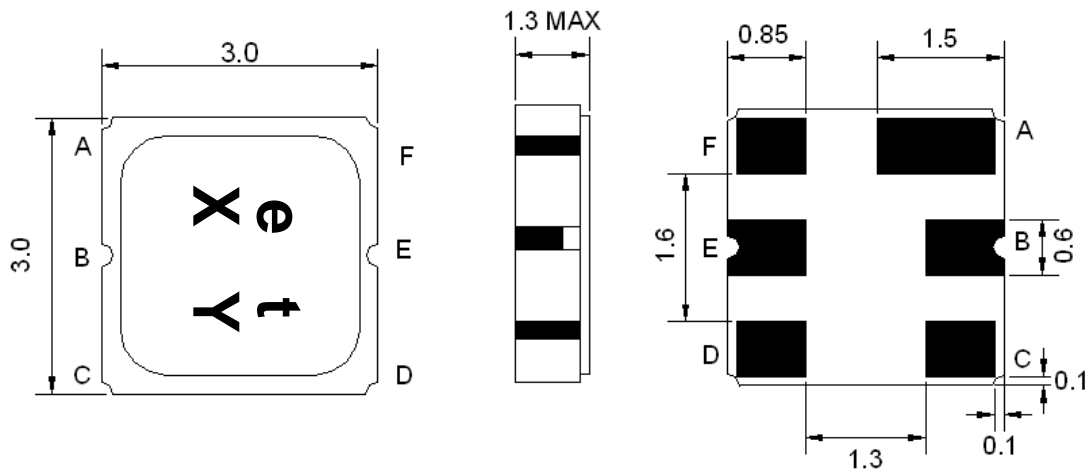
Electrical Characteristics

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) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽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	-	1229.5	-
Insertion Loss within 1205.0 ~ 1254.0 MHz	dB	-	3.5	5.0
Amplitude Ripple within 1205.0 ~ 1254.0 MHz	dB _{p-p}	-	1.1	2.5
Group Delay Variation within 1205.0 ~ 1228.0 MHz within 1237.0 ~ 1254.0 MHz	ns _{p-p}	-	2	10
Return Loss within 1205.0 ~ 1254.0 MHz	dB	10	11.3	-
Relative Attenuation:				
0.3 ~1150.0 MHz	dB	30	39	-
1150.0 ~ 1160.0 MHz	dB	25	41	-
1160.0 ~ 1170.0 MHz	dB	15	29	-
1290.0 ~ 1298.0 MHz	dB	10	22	-
1298.0 ~ 1306.0 MHz	dB	20	36	-
1306.0 ~ 3000.0 MHz	dB	30	36	-

Notes: (1) No Matching Network

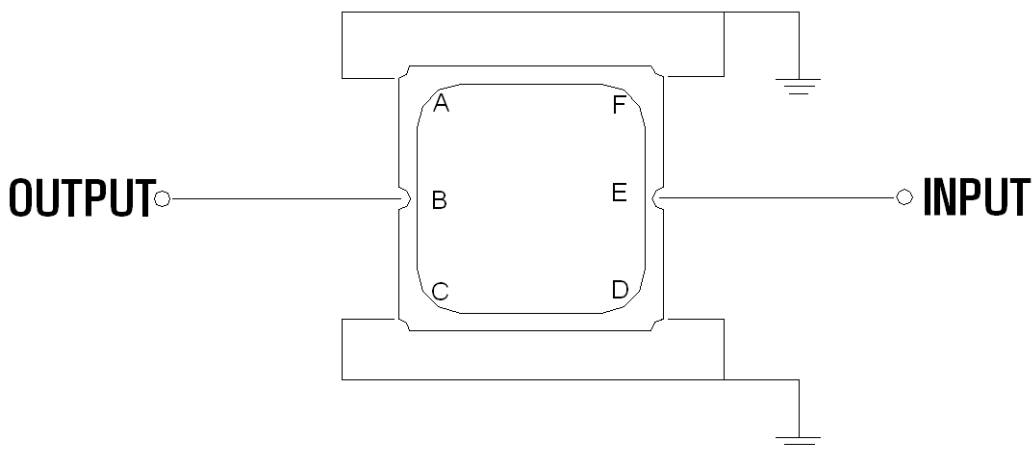
Package Dimensions



Marking Descriptions	
e	Wireless Application
t	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

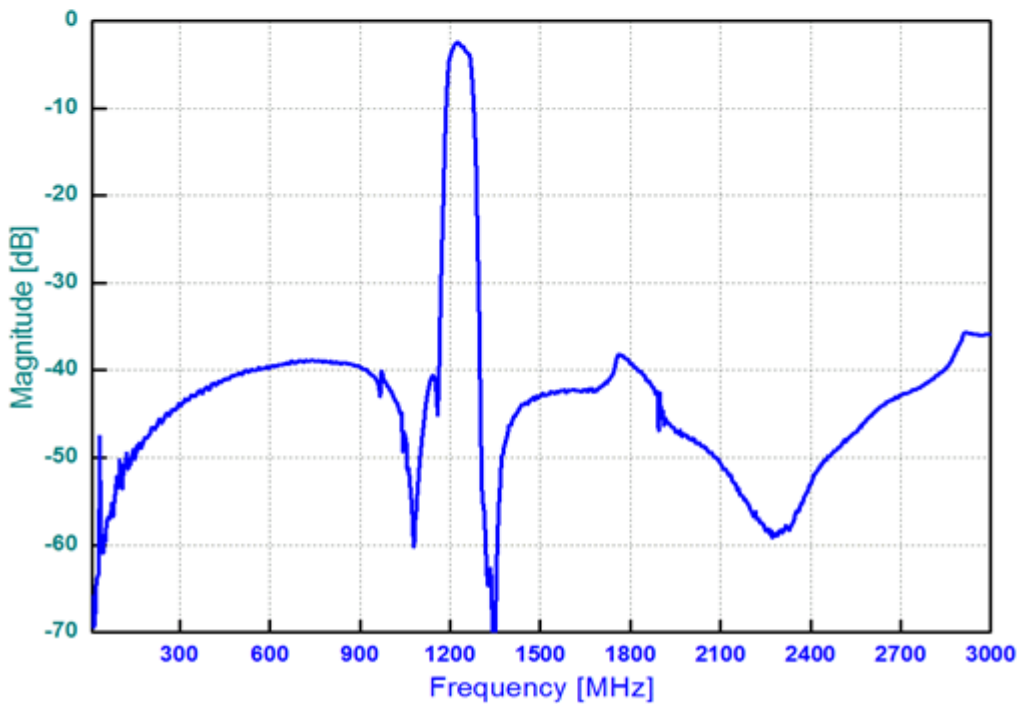
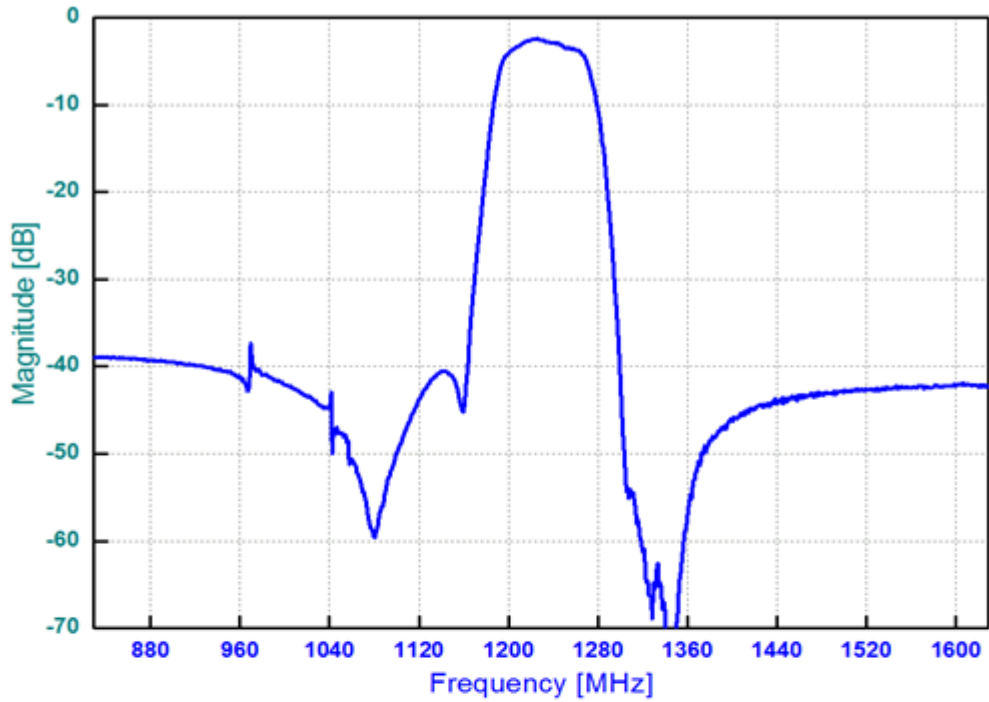
Testing Environment



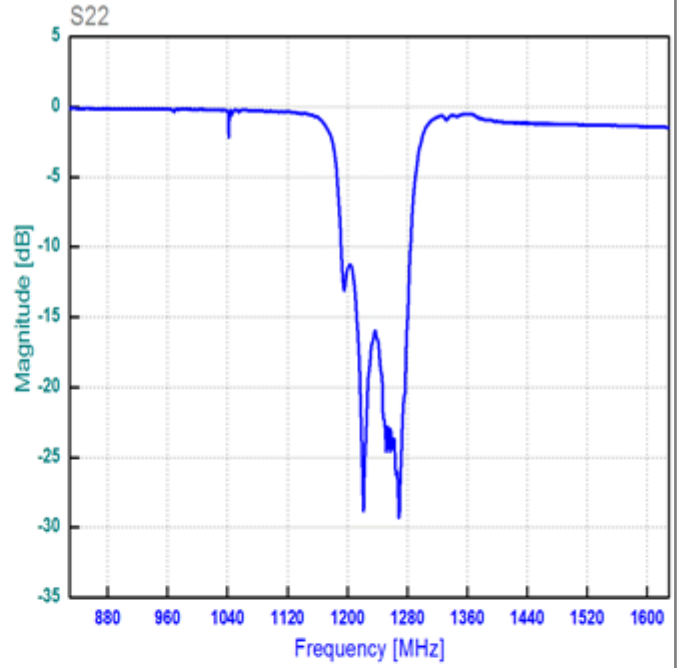
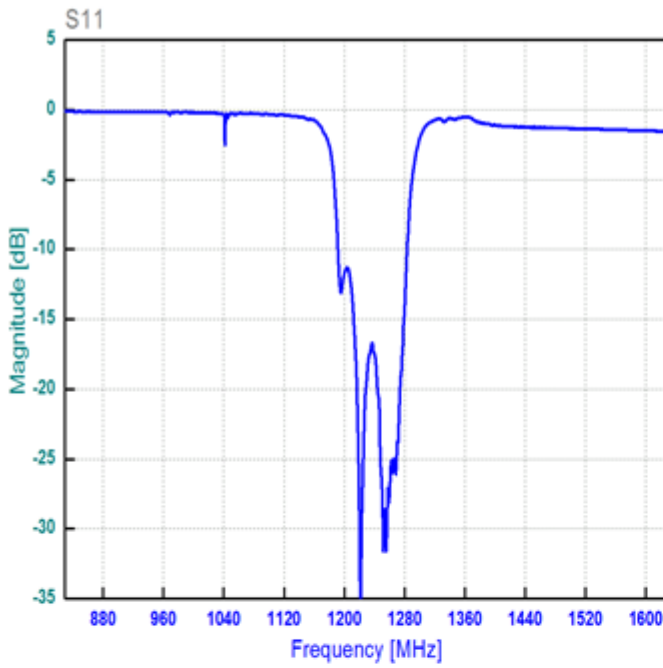
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



Return Loss



Smith Chart

