

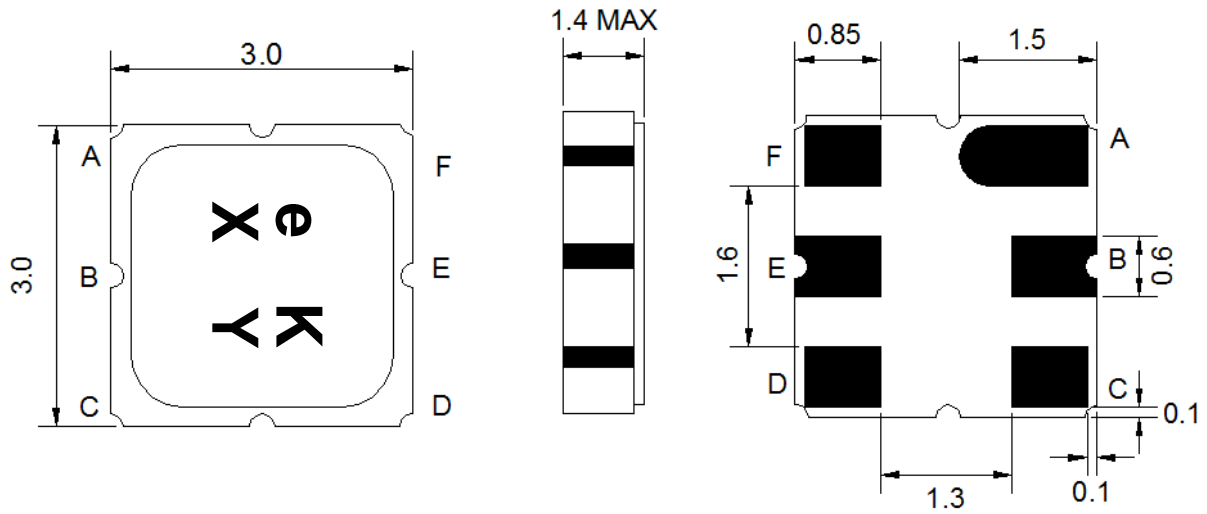
- Wireless, RF SAW Filter
- Revision 0: August 2013

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	-	-	12
Maximum Input Power	dBm	-	-	10
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	-	836.5	-
Insertion Loss within 834.5 ~ 838.5 MHz	dB	-	2.7	4.0
Amplitude Ripple within 835.5 ~ 837.5 MHz	dB _{p-p}	-	0.4	2.5
1dB bandwidth	MHz	4	9	-
3dB bandwidth	MHz	6	11	-
Attenuation:				
20.00~785.00MHz	dB	40	44	-
785.00~810.00MHz	dB	30	45	-
810.00~829.00MHz	dB	2.5	19	-
843.00~850.00MHz	dB	2.5	5	-
850.00~910.00MHz	dB	18	41	-
910.00~1000.00MHz	dB	40	53	-

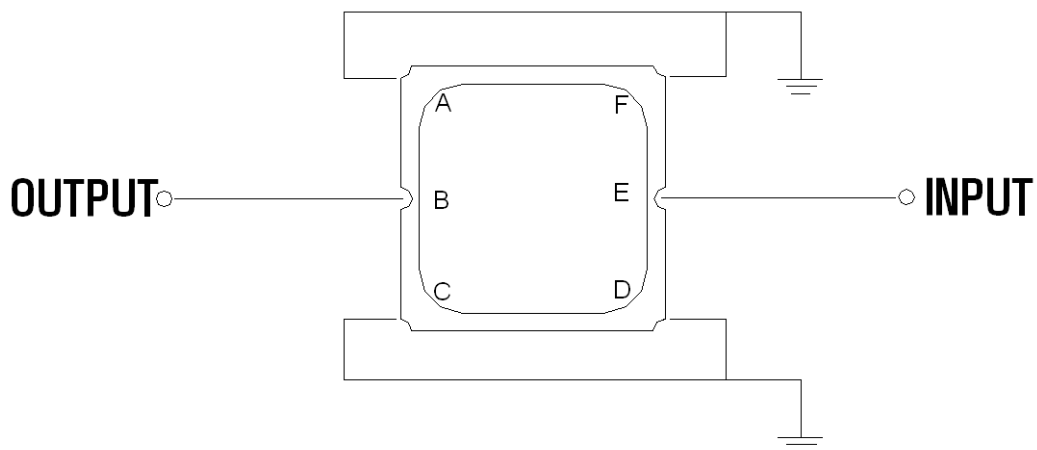
Notes: (1) No Matching Network

Package Dimensions

Marking Descriptions

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

Pin Description

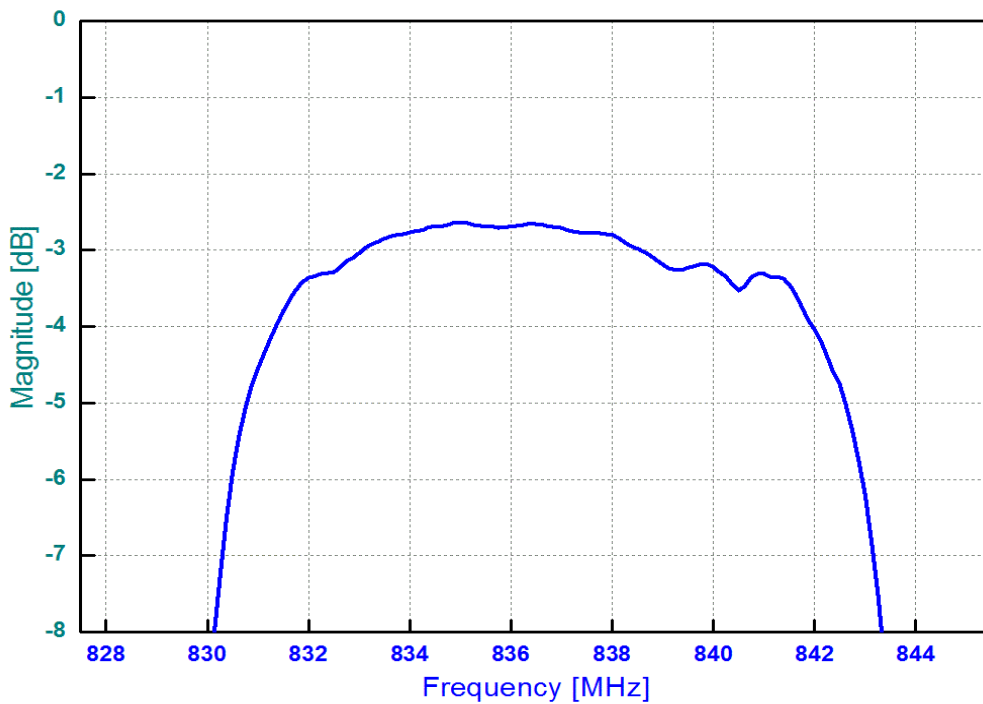
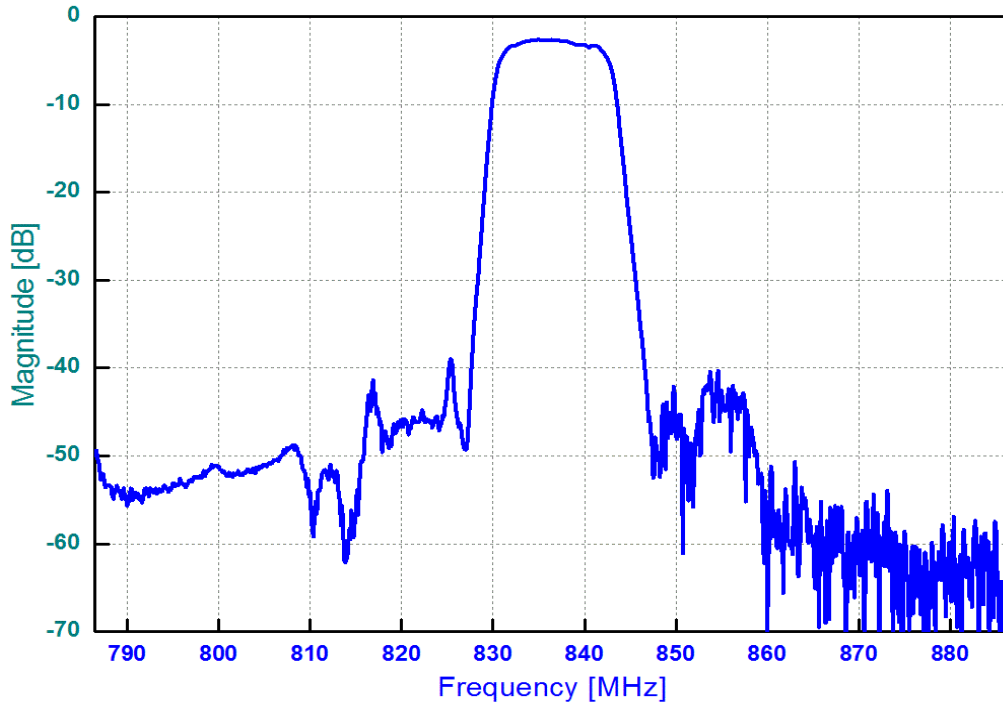
Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

Testing Environment


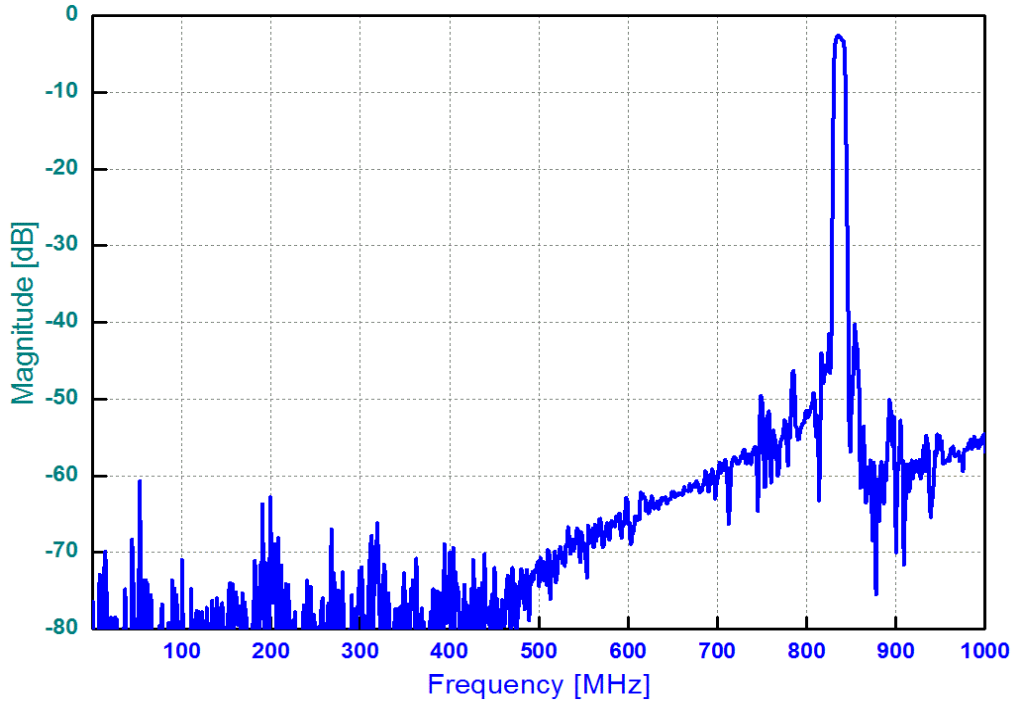
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response

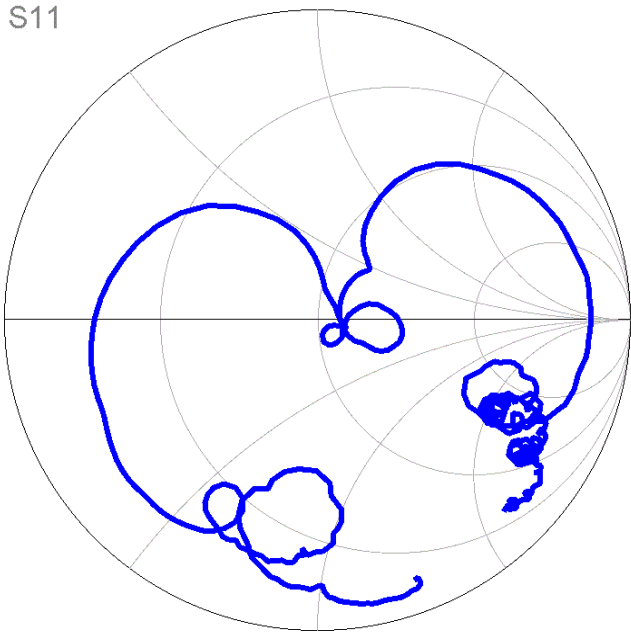


Frequency Response



Smith Chart

S11



S22

