

- Wireless, RF SAW Filter
- Revision 0: August 2009

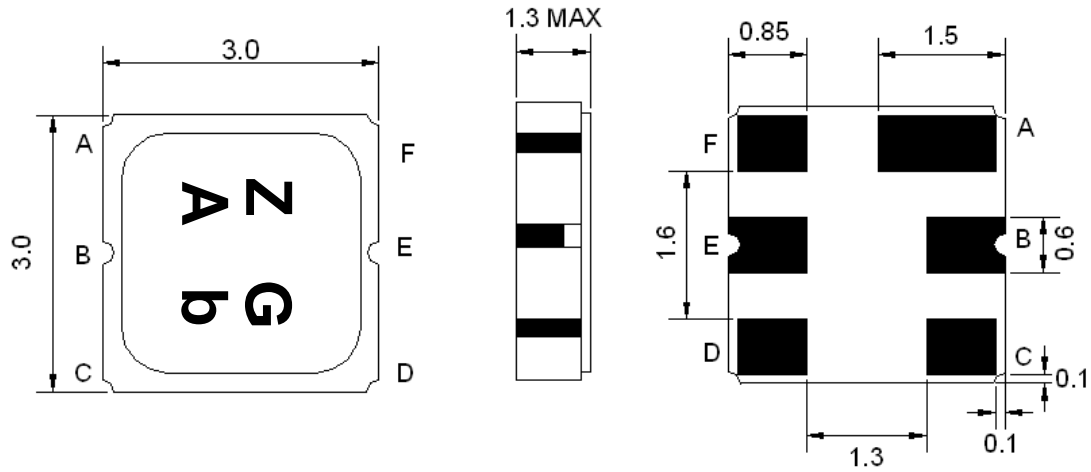
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+70
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	842.5	-
Insertion Loss within 840.0~845.0MHz	dB	-	1.9	3.5
Group Delay Ripple within 840.0~845.0MHz	ns _{p-p}	-	10	40
Amplitude Ripple within 840.0~845.0MHz	dB _{p-p}	-	0.3	1.0
Attenuation:				
D.C ~ 795.0 MHz	dB	45	52	-
795.0 ~ 800.0 MHz	dB	40	50	-
894.0 ~ 968.0 MHz	dB	30	37	-
1059.0 ~ 1078.0 MHz	dB	50	60	-
1078.0 ~ 3000.0 MHz	dB	25	30	-
VSWR within 840.0~845.0MHz	-	-	1.5	2.0

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

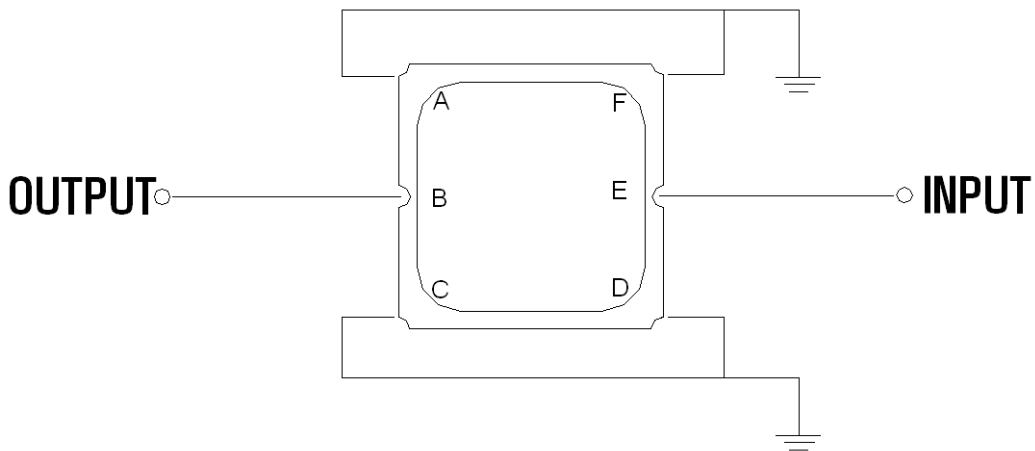
Package Dimensions



Marking Descriptions	
Z	Wireless Application
G	Series Number
a	Date Code (Year)
b	Date Code (Month)

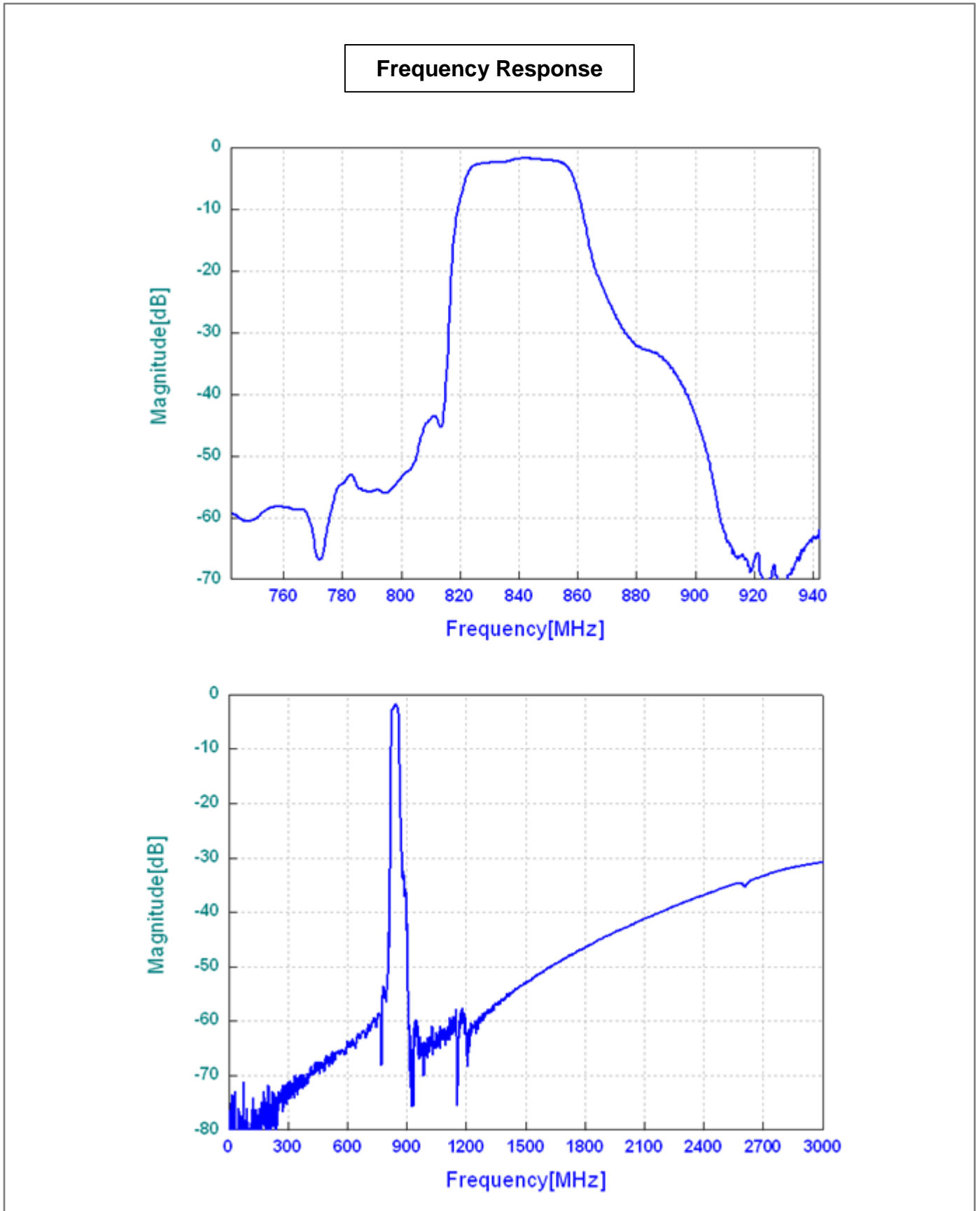
Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

Testing Environment

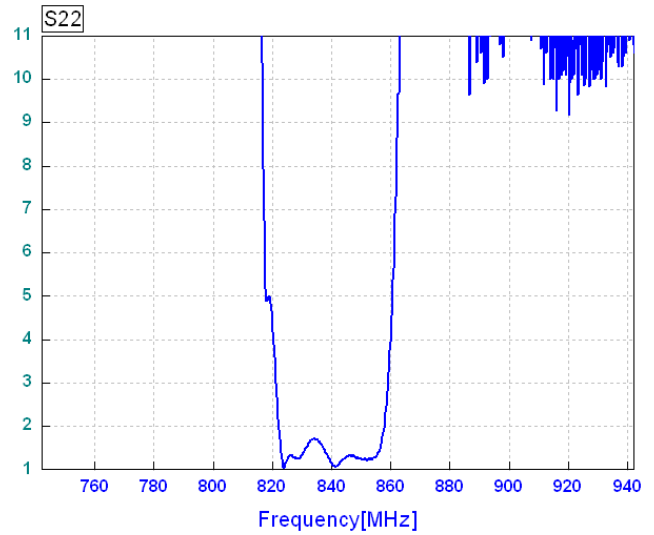
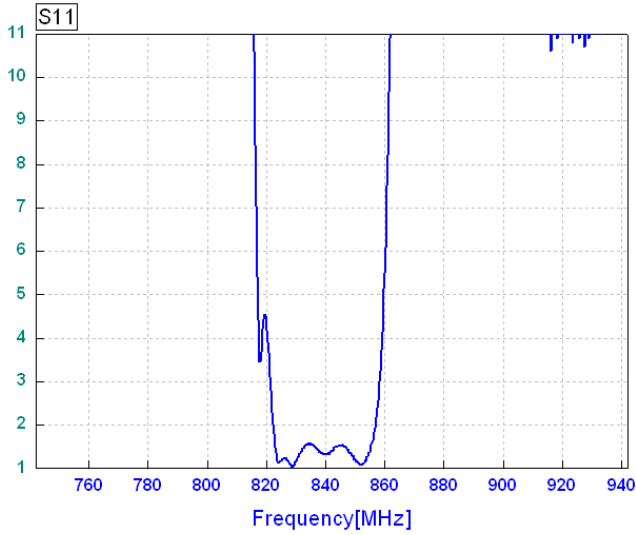


Source & Load Impedance: 50 Ω

Frequency Characteristics



VSWR



Smith Chart

