SA782BM

Wireless, RF SAW Filter
Revision 1: August 2015

RoHS compliance
Pb free

- ❒ Electrical Characteristics
- ❒ Package Dimensions
- ❒ Testing Environment
- ❒ Frequency Characteristics

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❒ Electrical Characteristics

Maximum Ratings

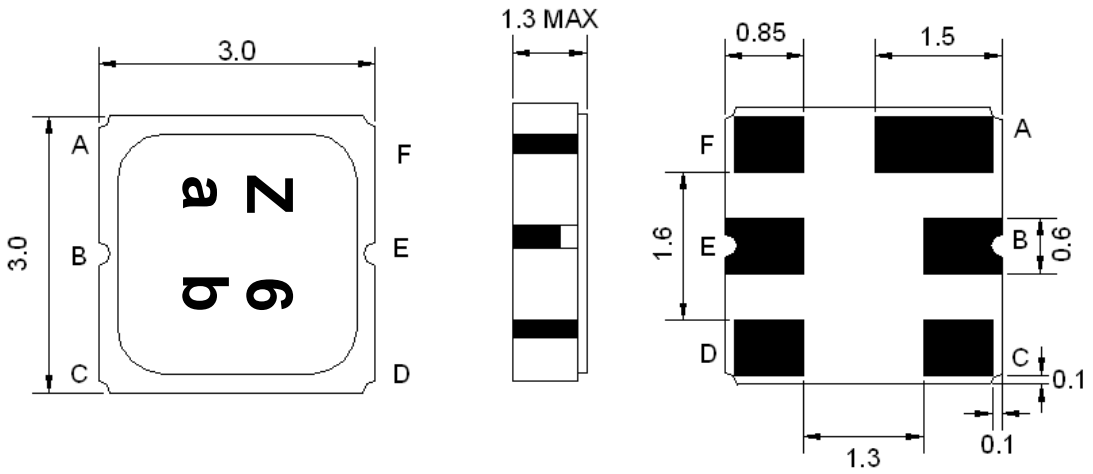
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	29
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	M			
Length x Width	mm²	-	3.0 x 3.0	-
Height	mm	-	-	1.3

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	782.0	-
Insertion Loss within 777.0 ~ 787.0 MHz	dB	-	1.7	3.0
Amplitude Ripple within 777.0 ~ 787.0 MHz	dB_{p-p}	-	0.6	1.0
Attenuation:				
0.3 ~ 747.0 MHz	dB	40	45	-
747.0 ~ 757.0 MHz	dB	35	43	-
869.0 ~ 894.0 MHz	dB	40	48	-
894.0 ~ 2000.0 MHz	dB	30	37	-
2000.0 ~ 3000.0 MHz	dB	25	35	-
VSWR within 777.0 ~ 787.0 MHz	-	-	1.7	2.3

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

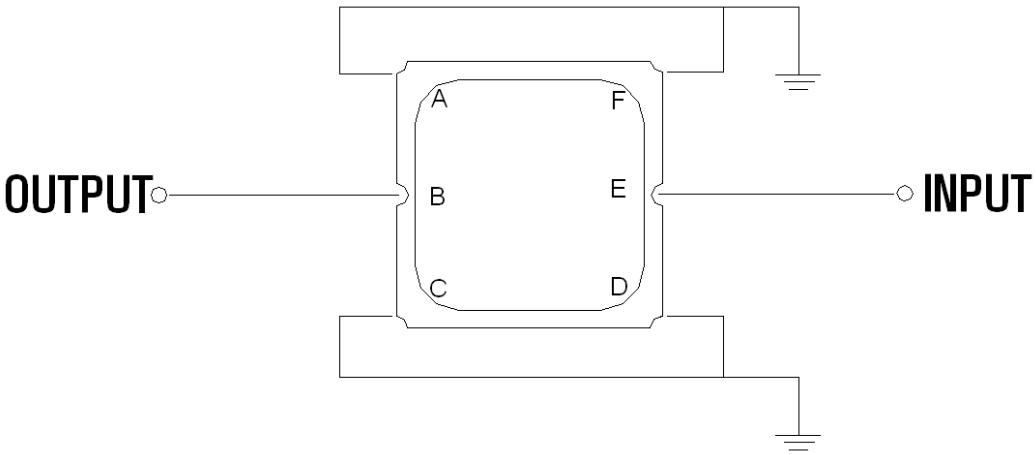
❒ Package Dimensions



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

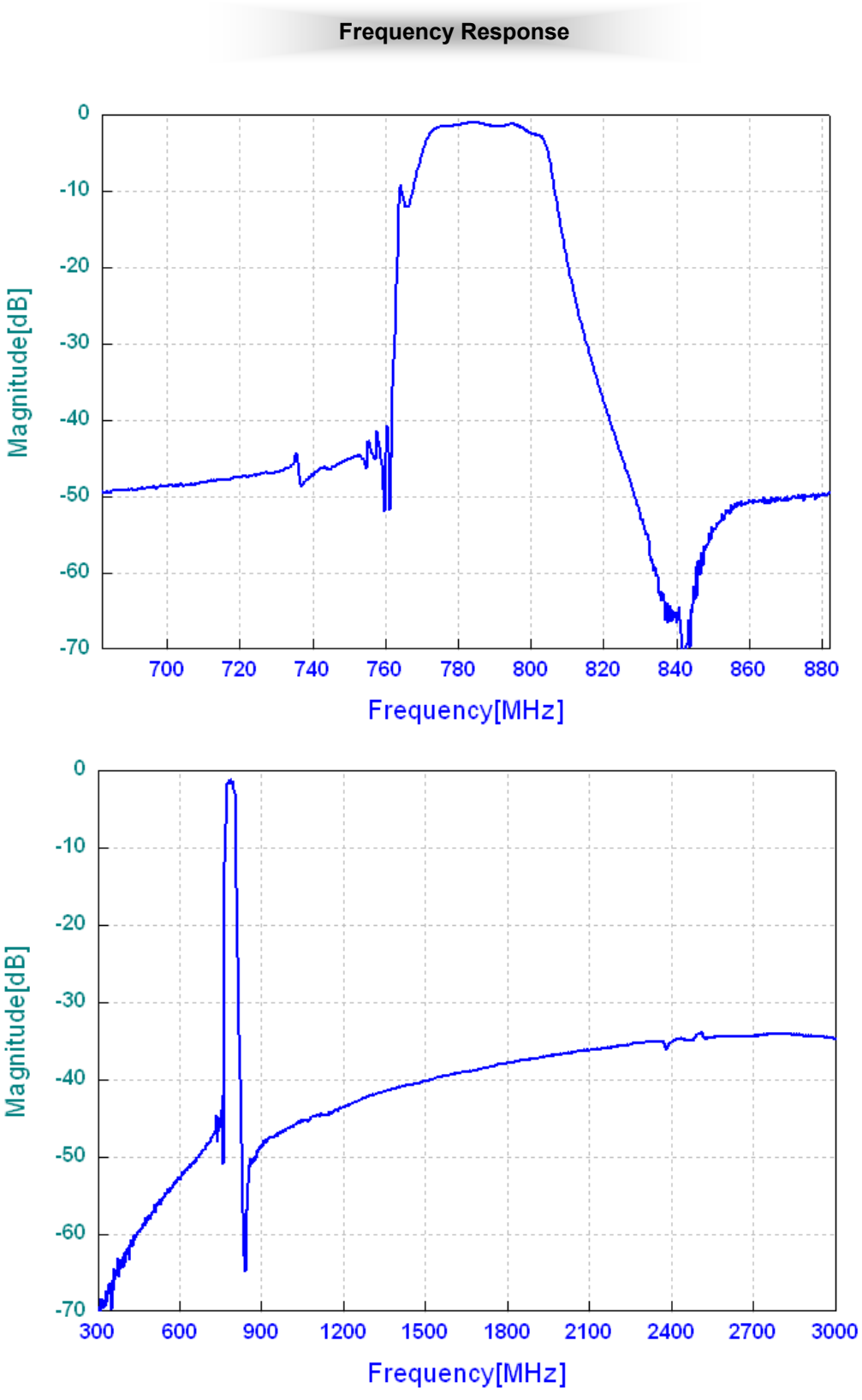
Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

❒ Testing Environment

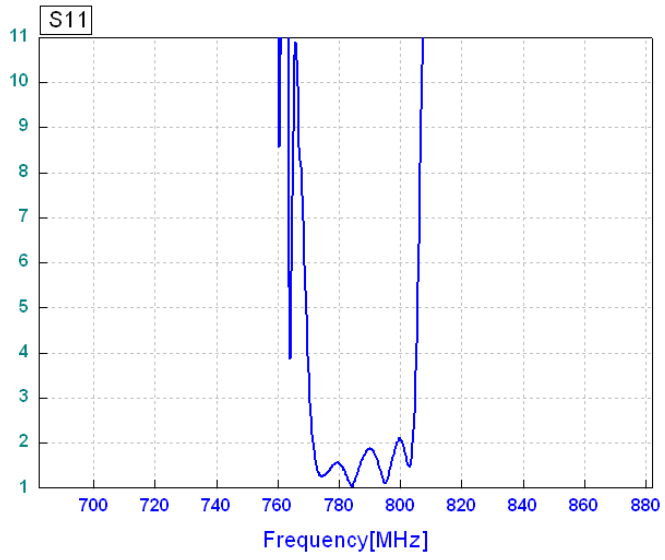


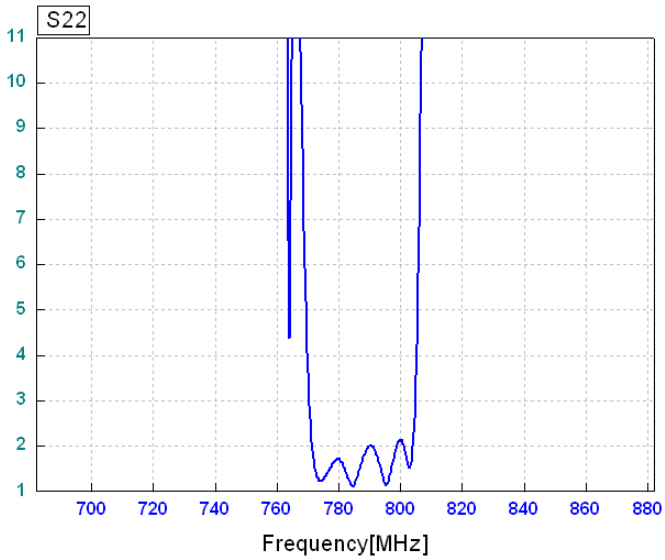
Source & Load Impedance: 50 Ω

❒ Frequency Characteristics



VSWR





Smith Chart

