SA462HM

Wireless, RF-Rx SAW Filter
Revision 0: February 2012

RoHS compliance
Pb free

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

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❒ Electrical Characteristics

Maximum Ratings

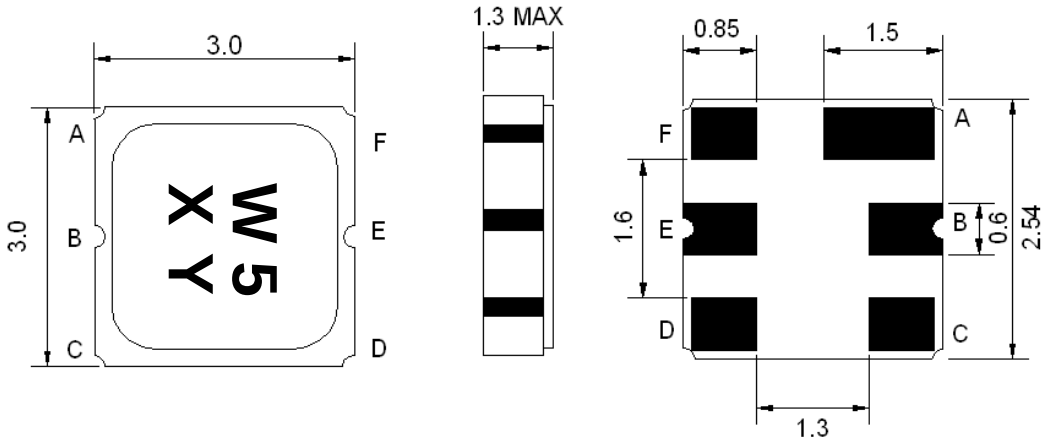
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	28
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	M			
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	-	462.5	-
Insertion Loss within 461.0 ~464.0 MHz	dB	-	2.0	3.0
Amplitude Ripple within 461.0 ~464.0 MHz	dB_{p-p}	-	0.7	1.5
Stop Band Attenuation:				
0.3 ~ 450.0 MHz	dB	40	50	-
450.0 ~ 454.8 MHz	dB	40	45	-
483.0 ~ 505.0 MHz	dB	35	45	-
505.0 ~ 1000.0 MHz	dB	40	45	-
1000.0 ~ 2000.0 MHz	dB	25	35	-
VSWR within 461.0 ~ 464.0 MHz	-	-	1.6	2.0

Notes : (1) No Matching Network .

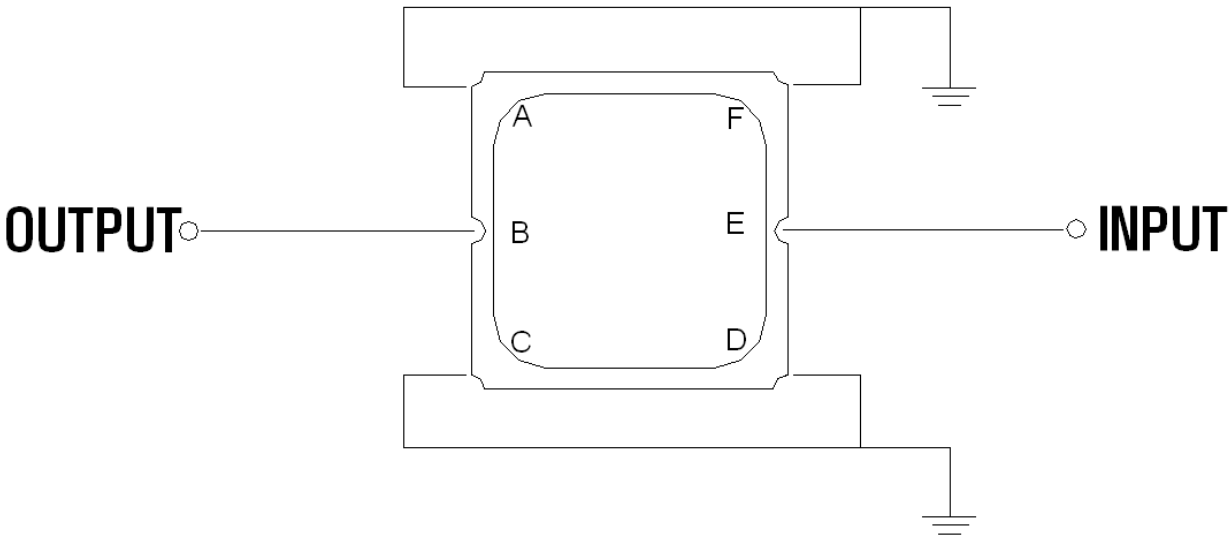
❒ Package Dimensions



Marking Descriptions	
W	Wireless Application
5	Series Number
X	Date Code(Year)
Y	Date Code(Month)

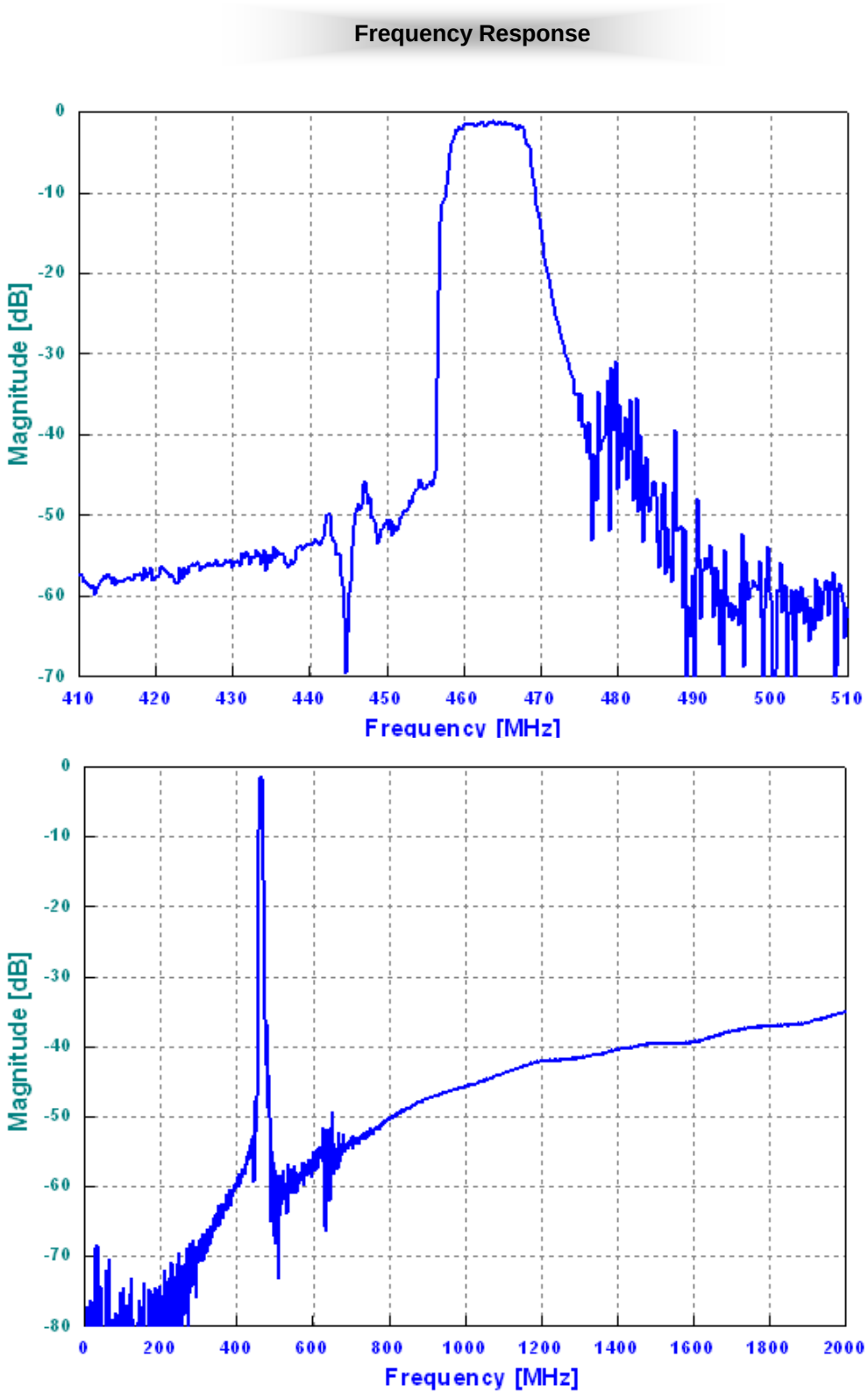
Pin Description	
A, C, D, F	Ground
E	In or Out
B	Out or In

❒ Testing Environment

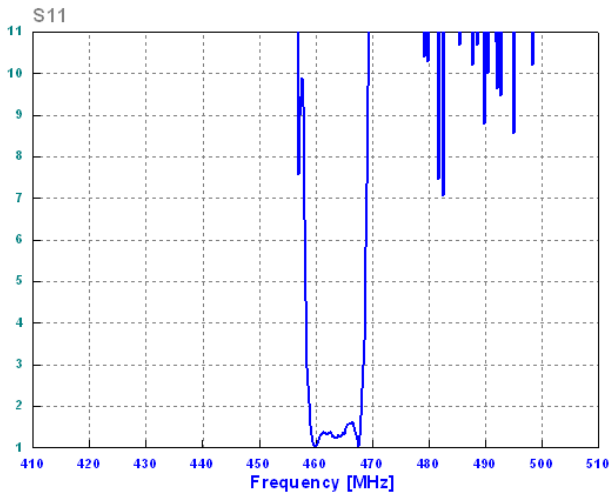


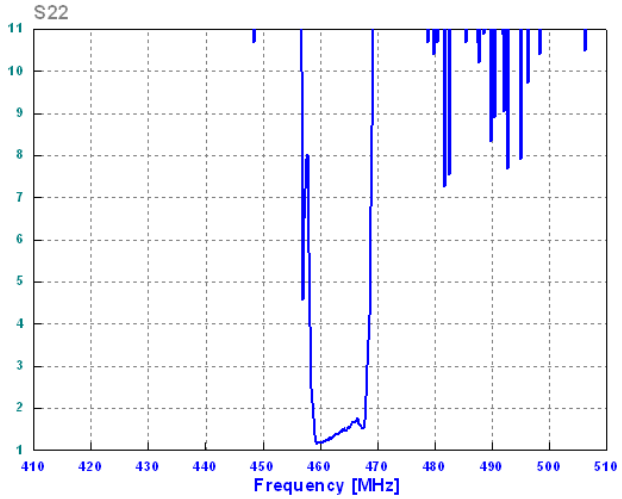
Source & Load Impedance: 50 Ω

❒ Frequency Characteristics



VSWR





Smith Chart