

- Wireless, RF SAW Filter
- Revision 0: September 2010

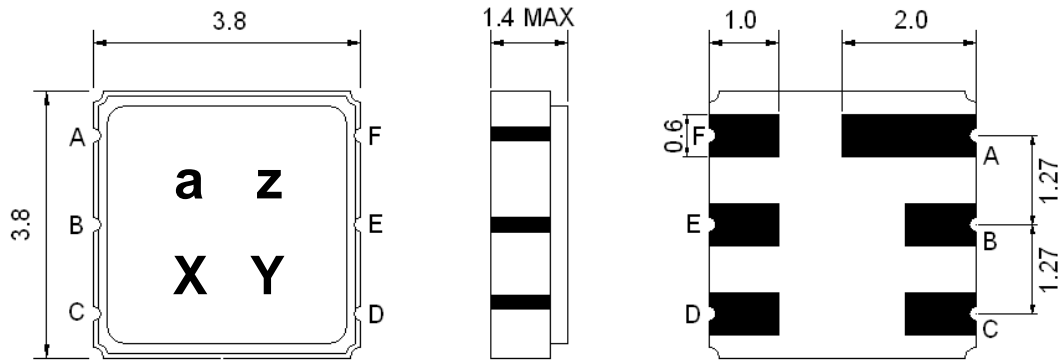
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	27
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	P			
Length x Width	mm <sup>2</sup>	-	3.8 x 3.8	-
Height	mm	-	-	1.4

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	452.5	-
Insertion Loss within 450.0 ~455.0 MHz	dB	-	2.0	3.5
Amplitude within 450.0 ~455.0 MHz	dB <sub>p-p</sub>	-	0.5	1.2
<b>Stop Band Attenuation:</b>				
0.3 ~ 440.0 MHz	dB	40	45	-
440.0 ~ 445.0 MHz	dB	35	45	-
480.0 ~ 500.0 MHz	dB	35	50	-
VSWR within 450.0 ~ 455.0 MHz	-	-	1.5	2.2

**Notes :** (1) No Matching Network

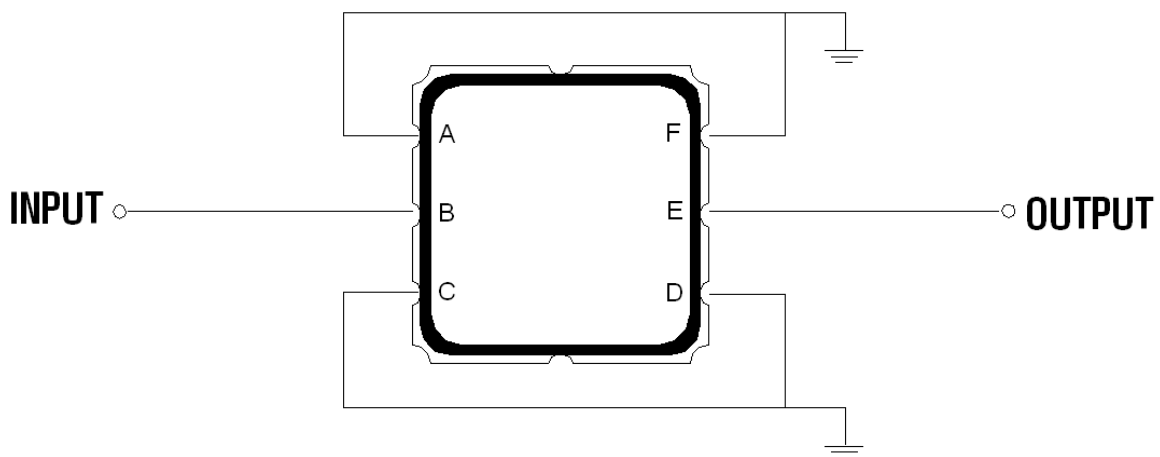
## Package Dimensions



Marking Descriptions	
a	Wireless Application
z	Series Number
X	Date Code (Year)
Y	Date Code (Month)

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

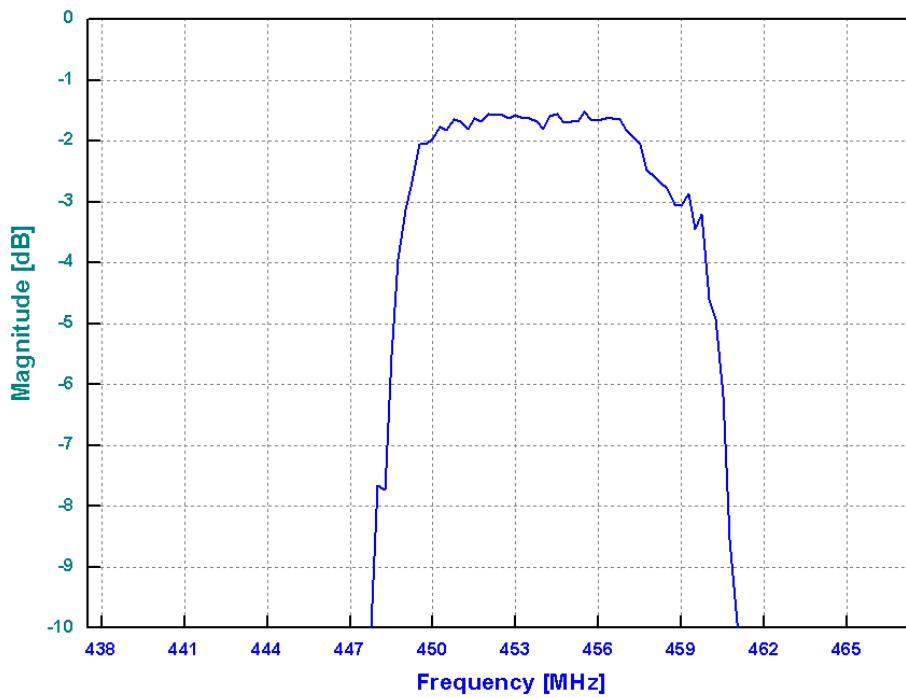
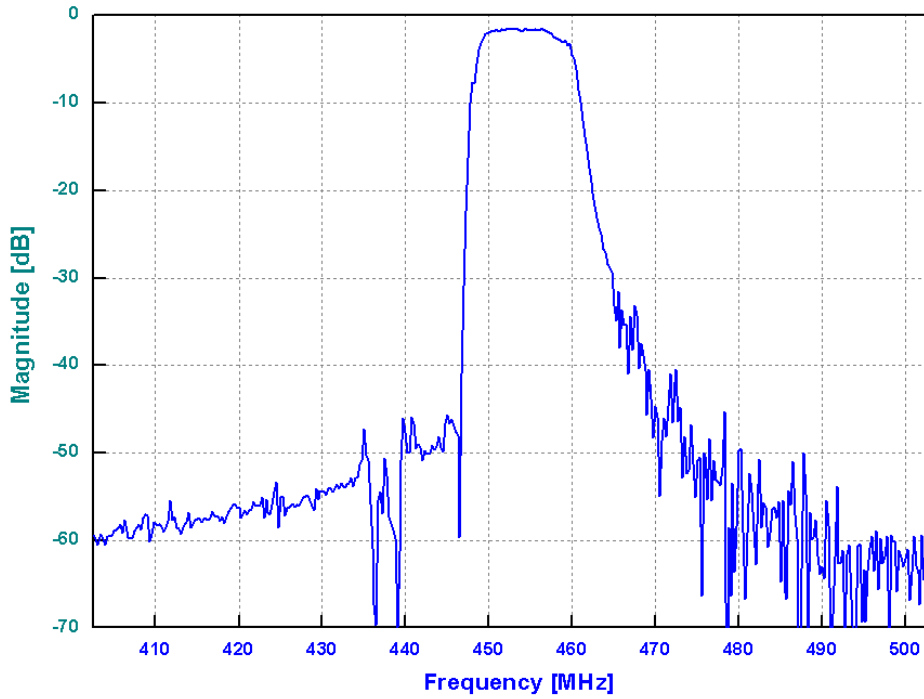
## Testing Environment



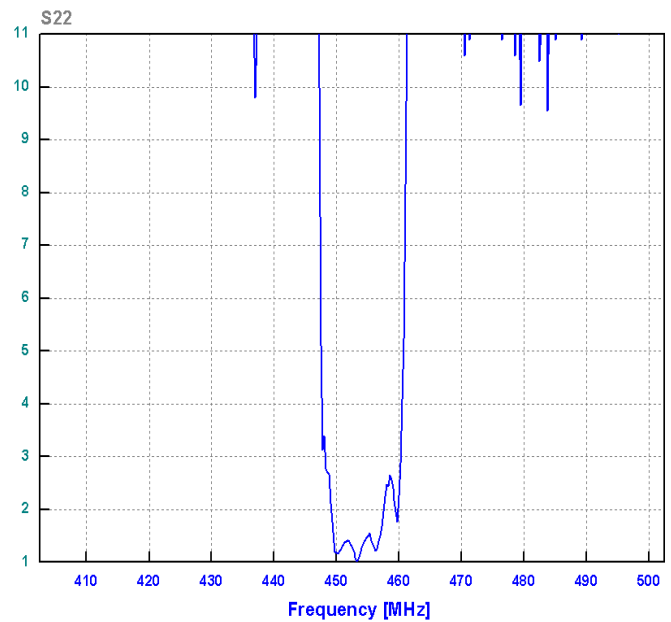
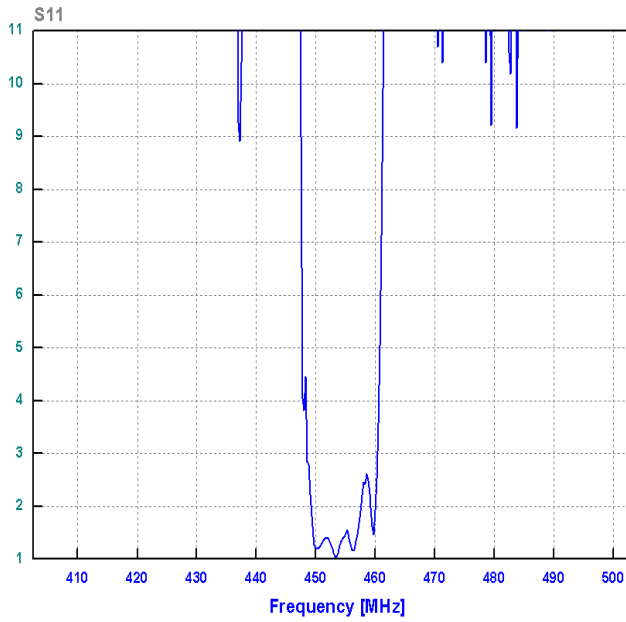
Source & Load Impedance: 50  $\Omega$

## Frequency Characteristics

**Frequency Response**



## VSWR



## Smith Chart

