

- WIBRO, RF SAW Filter
- Revision 1: June 2008

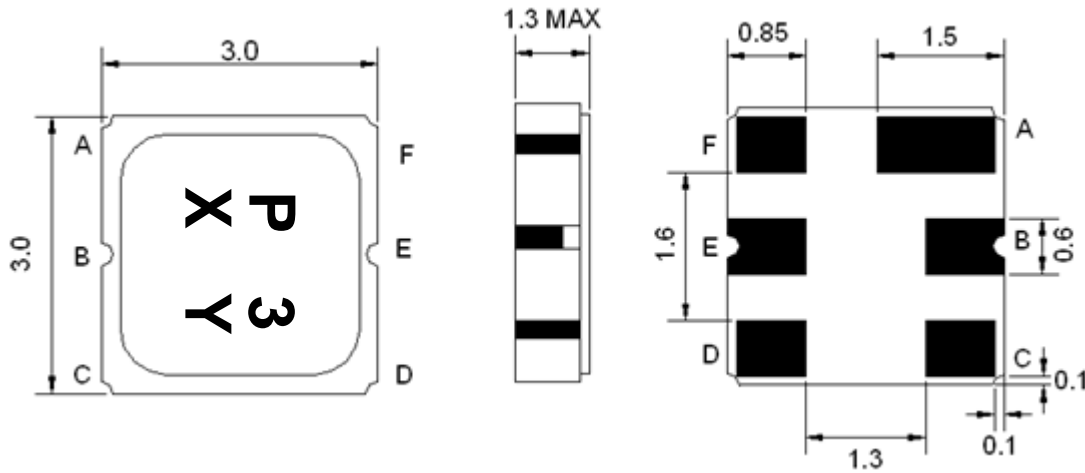
## Electrical Characteristics

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	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	M			
Length x Width	mm <sup>2</sup>	-	3.0 x 3.0	-
Height	mm	-	-	1.3

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	2315.0	-
Insertion Loss within 2300 ~ 2330 MHz	dB	-	2.5	3.0
Amplitude Ripple within 2300 ~ 2330 MHz	dB <sub>p-p</sub>	-	0.5	1.0
<b>Attenuation:</b>				
D.C. ~ 2170 MHz	dB	20	27	-
2400 ~ 3400 MHz	dB	25	30	-
3400 ~ 4500 MHz	dB	14	17	-
4500 ~ 6000 MHz	dB	5	7	-
VSWR within 2300.0 ~ 2330.0 MHz	-	-	2.1	2.7

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

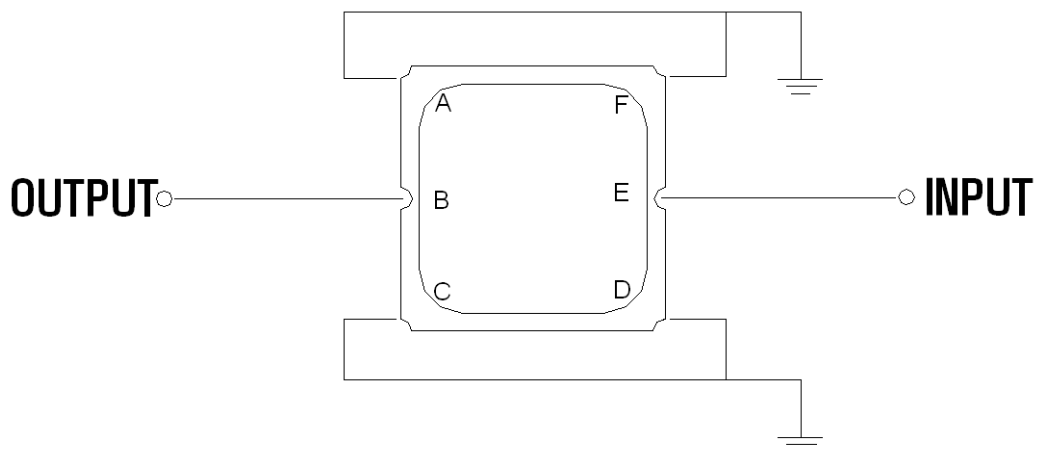
## Package Dimensions



Marking Descriptions	
P	Wibro Application
3	Series Number
X	Date Code (Year)
Y	Date Code (Month)

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

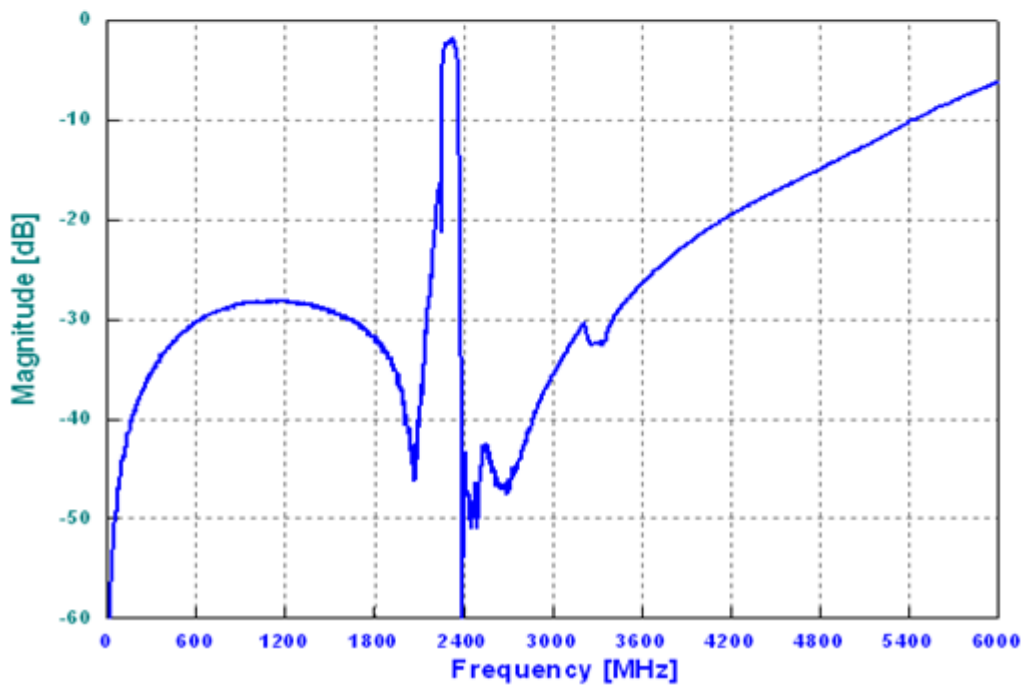
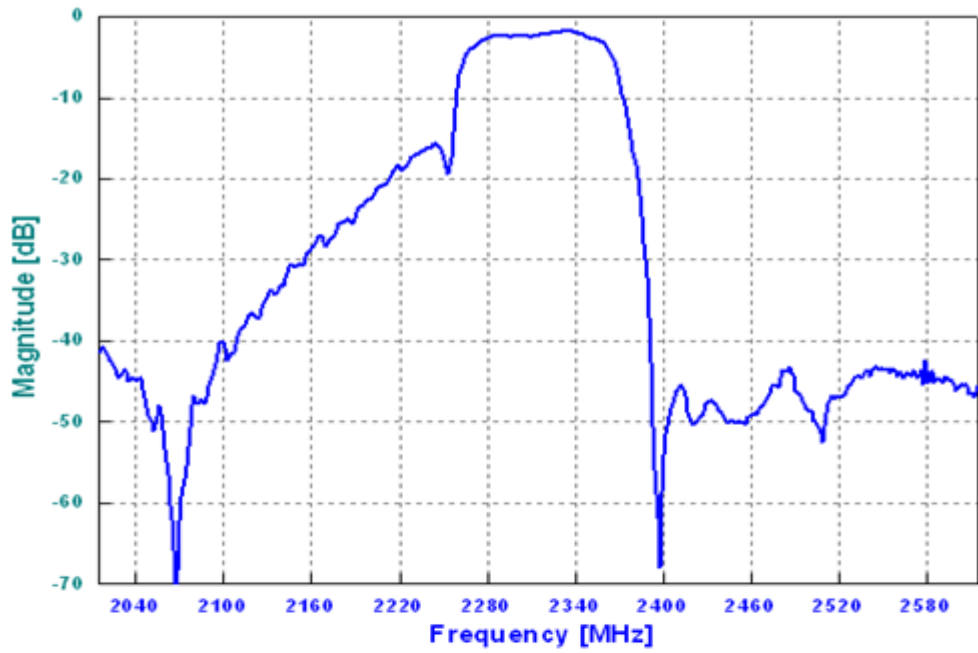
## Testing Environment



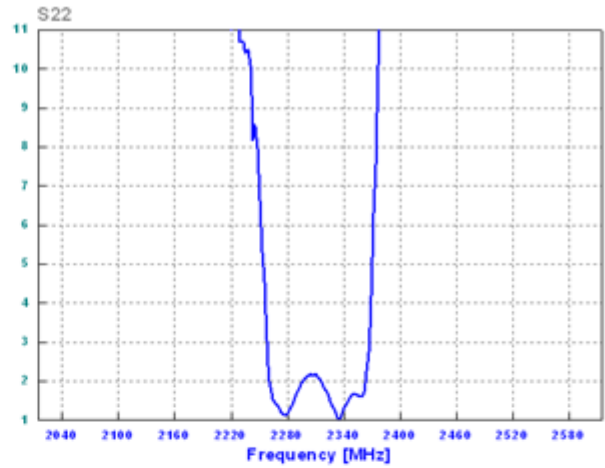
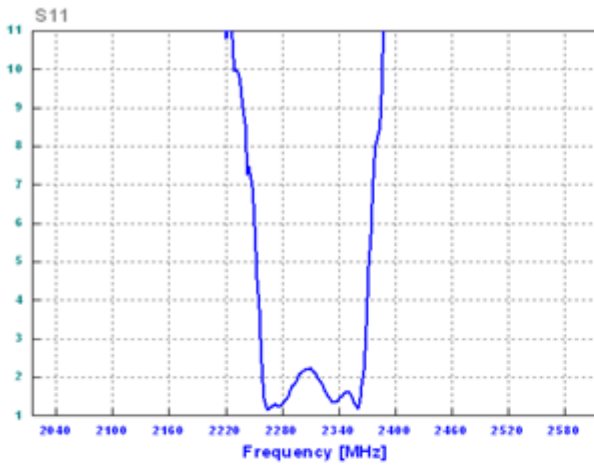
Source & Load Impedance: 50  $\Omega$

## Frequency Characteristics

Frequency Response



## VSWR



## Smith Chart

