



Total Solution Provider in Saw Device

SA2315AM

WIBRO, RF SAW Filter
Revision 1: June 2008



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

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□ Electrical Characteristics

Maximum Ratings

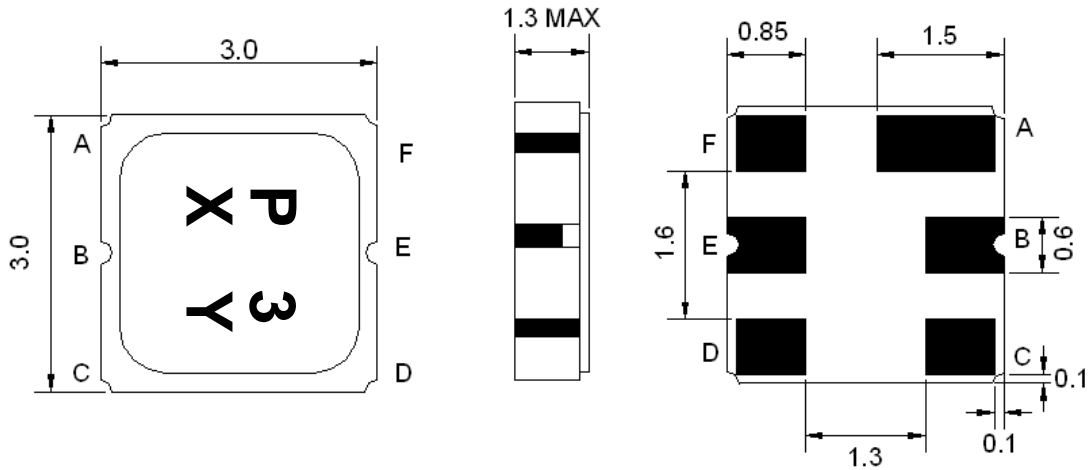
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	M			
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	-	2315.0	-
Insertion Loss within 2300 ~ 2330 MHz	dB	-	2.5	3.0
Amplitude Ripple within 2300 ~ 2330 MHz	dB _{p-p}	-	0.5	1.0
Attenuation:				
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).

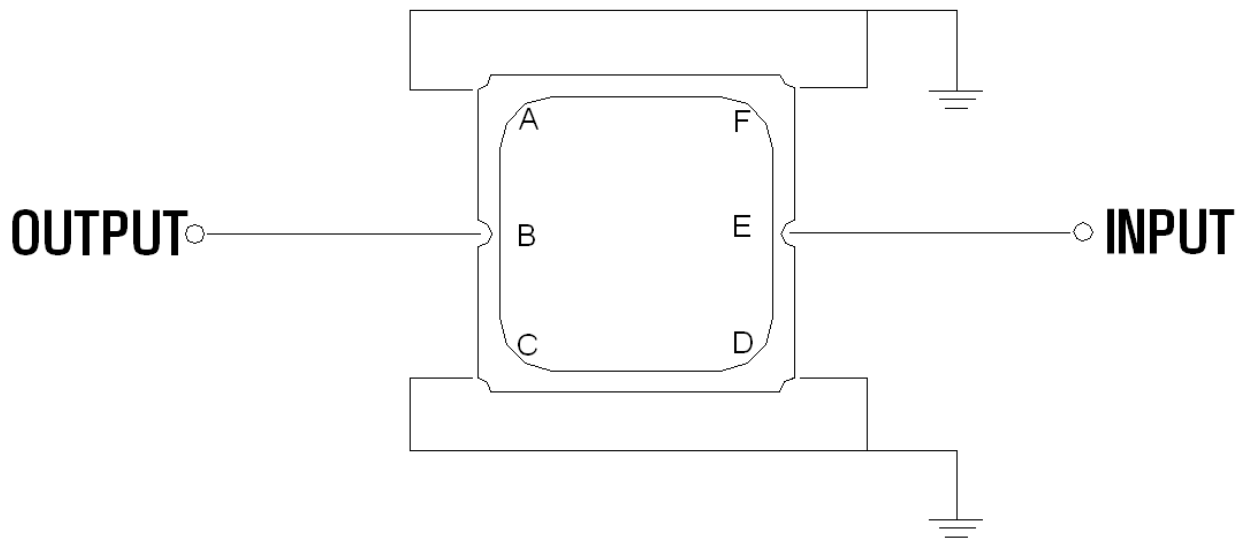
Package Dimensions



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

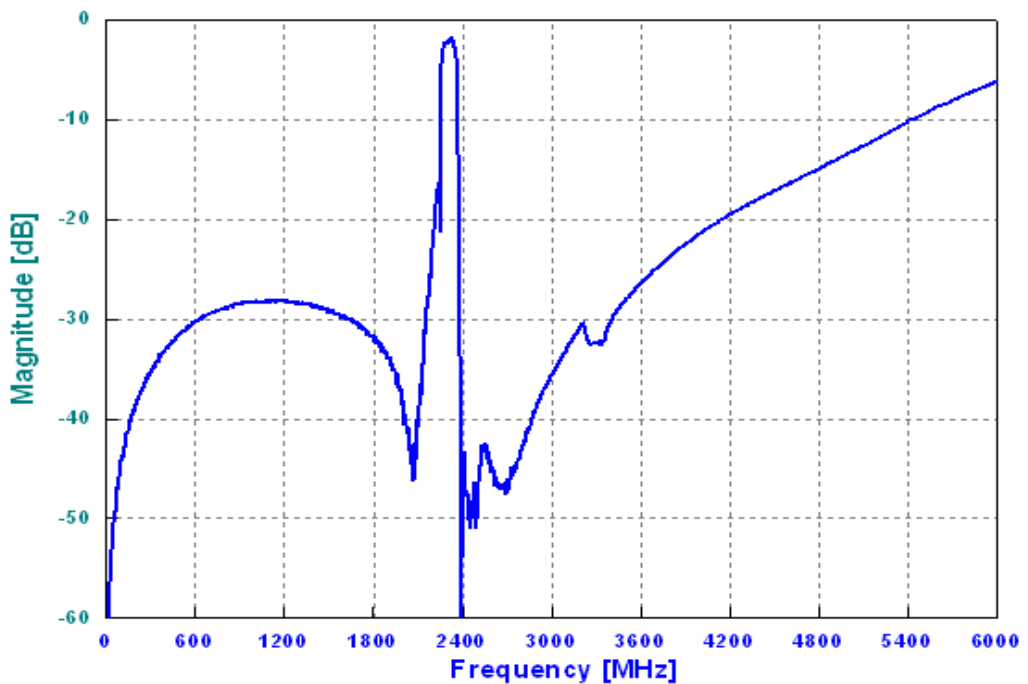
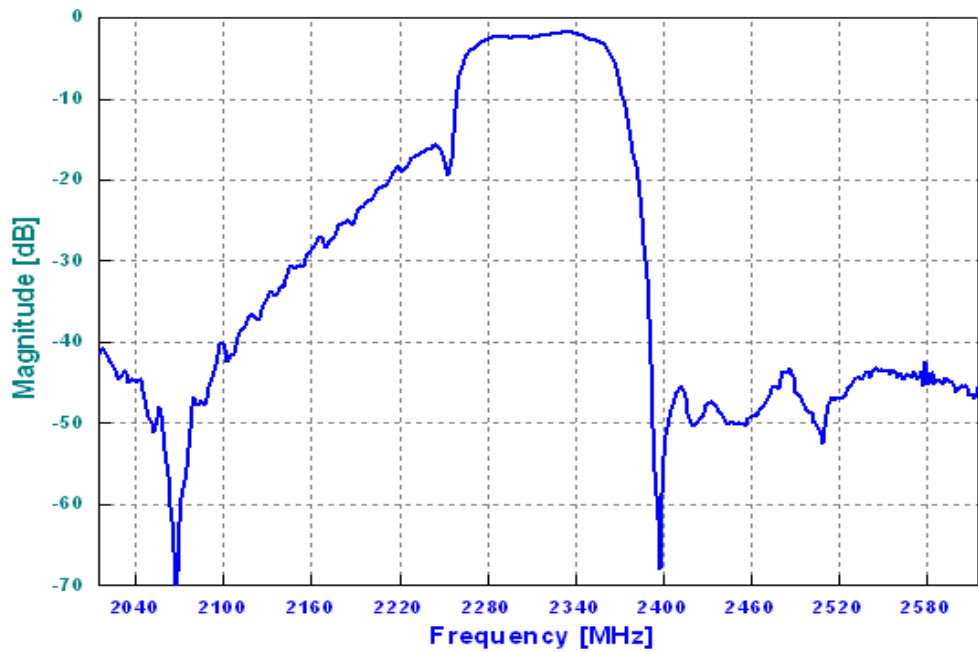
Testing Environment



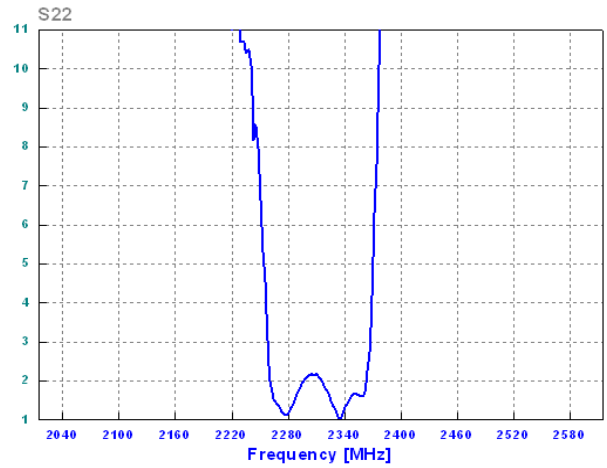
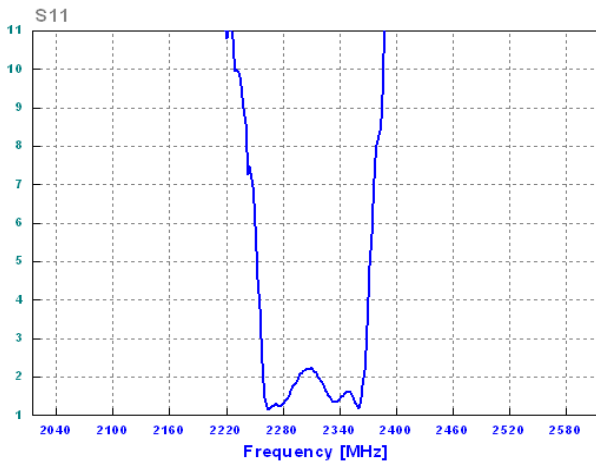
Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response



VSWR



Smith Chart

