SA2375AM

WIBRO, RF SAW Filter
Revision 0: September 2005

RoHS compliance
Pb free

- ❒ Electrical Characteristics
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- ❒ Testing Environment
- ❒ Frequency Characteristics

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❒ Electrical Characteristics

Maximum Ratings

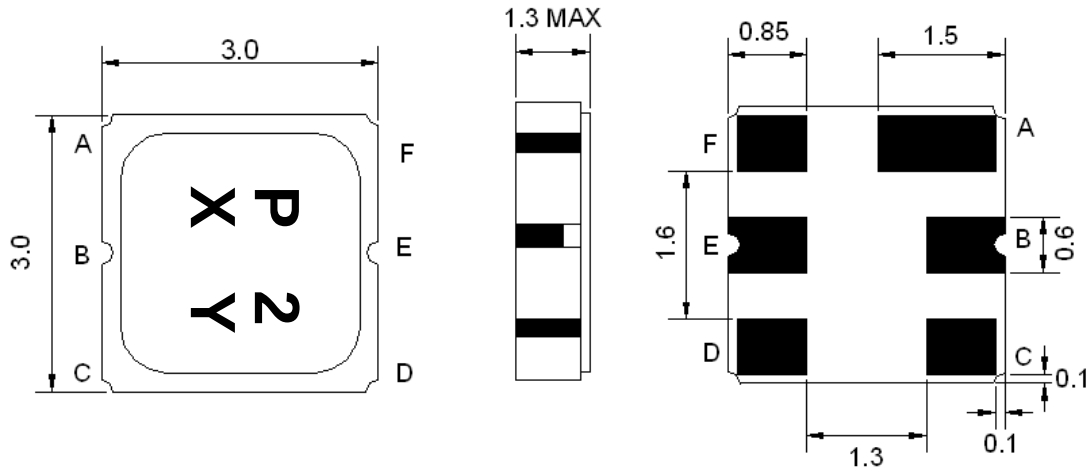
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	M			
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	-	2375.0	-
Insertion Loss within 2350 ~ 2400 MHz	dB	-	2.7	4.0
Amplitude Ripple within 2350 ~ 2400 MHz	dB_{p-p}	-	0.8	2.0
Attenuation:				
D.C. ~ 2070 MHz	dB	20	25	-
2600 ~ 3400 MHz	dB	24	28	-
3400 ~ 5000 MHz	dB	14	18	-
5000 ~ 6000 MHz	dB	13	17	-
VSWR within 2350 ~ 2400 MHz	-	-	3.2	4.0

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

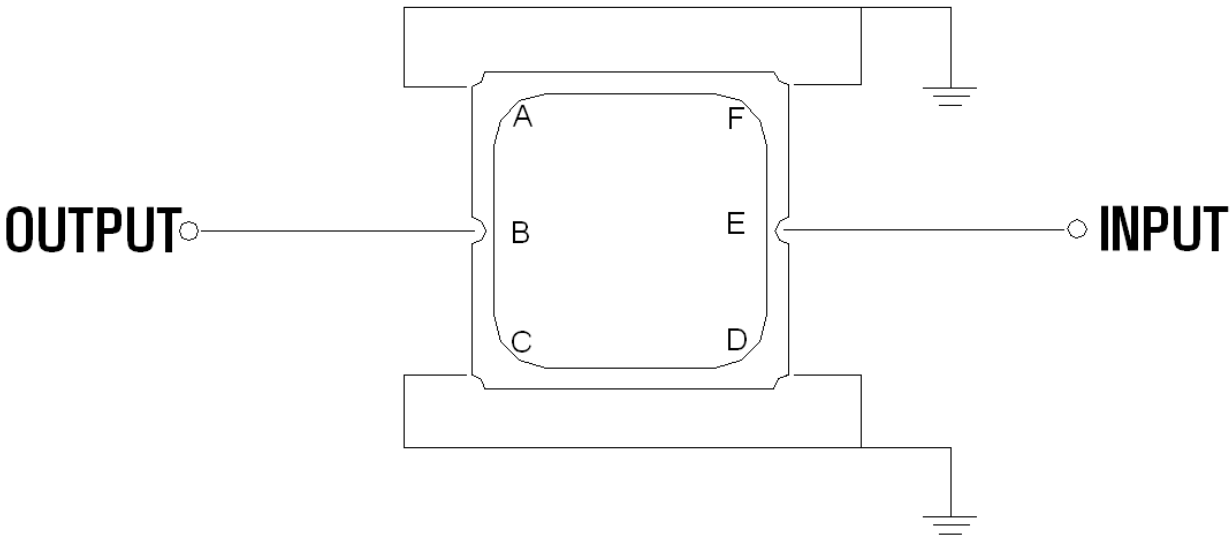
❒ Package Dimensions



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

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

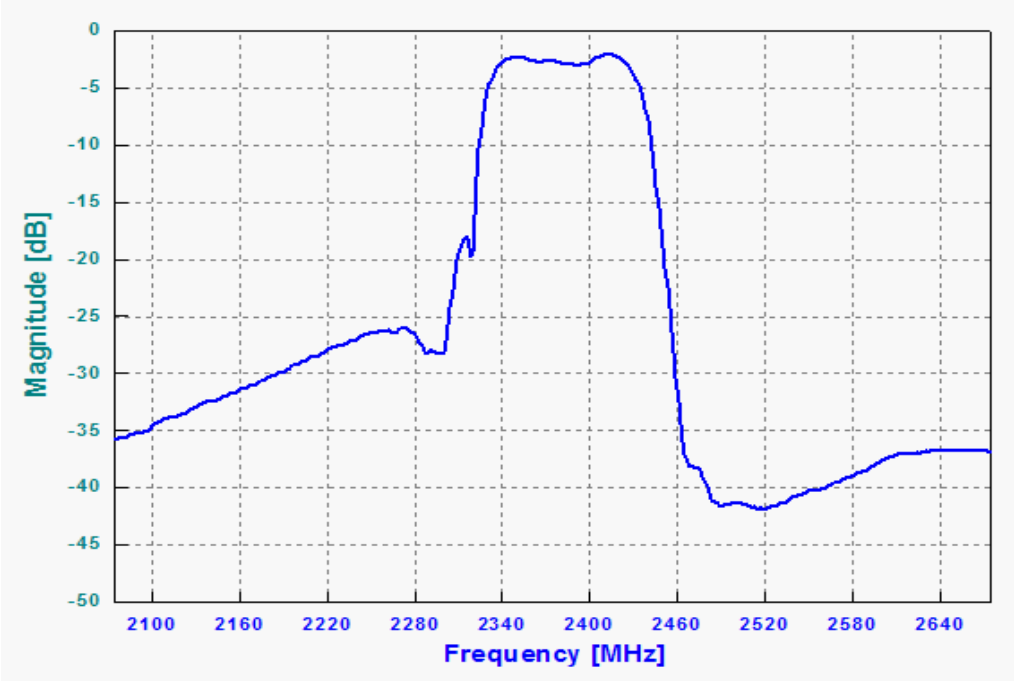
❒ Testing Environment

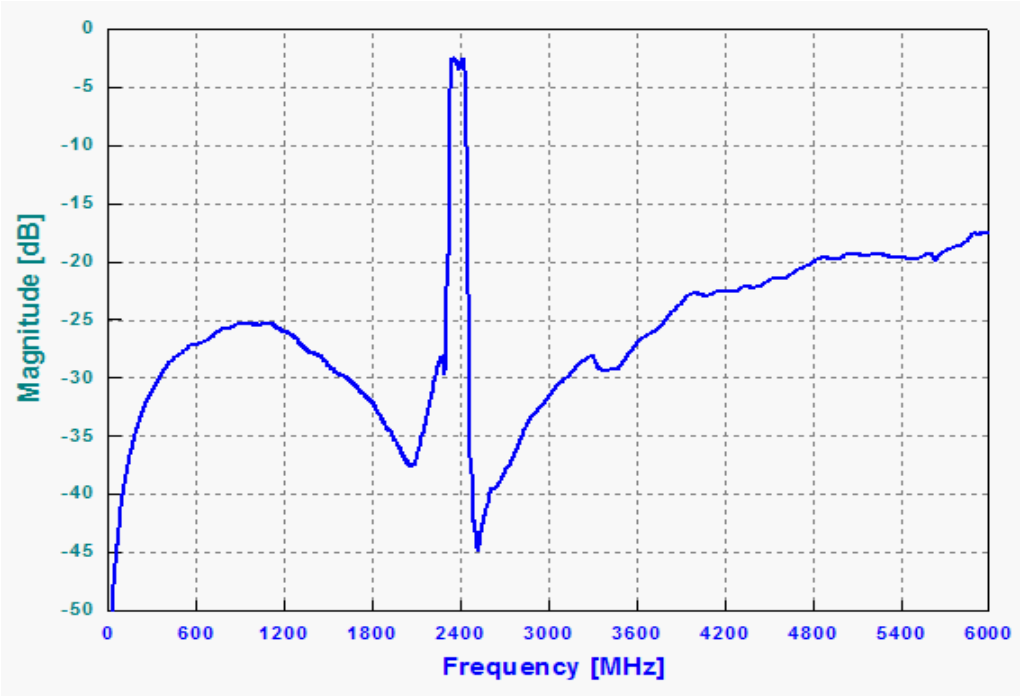


Source & Load Impedance: 50 Ω

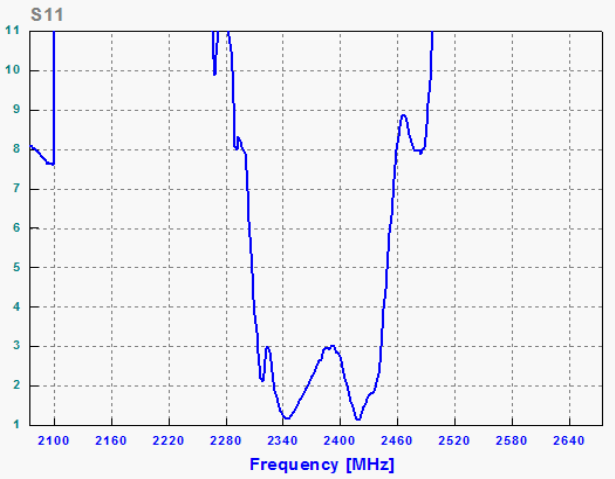
❒ Frequency Characteristics

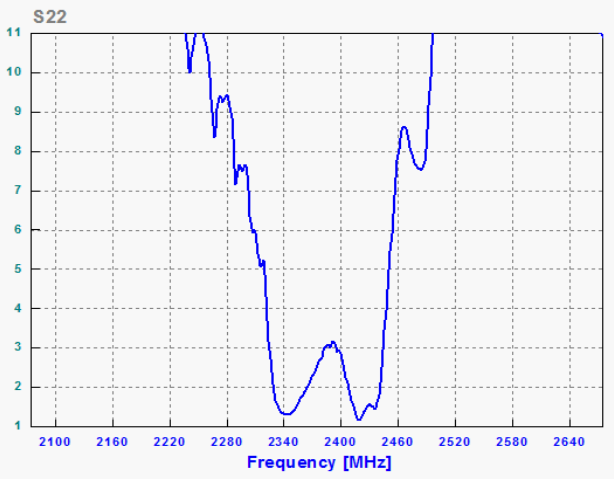
Frequency Response





VSWR





Smith Chart