



*Total Solution Provider in Saw Device*

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# SA2315AJ

WIBRO, RF SAW Filter  
Revision 0: June 2005



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

### Maximum Ratings

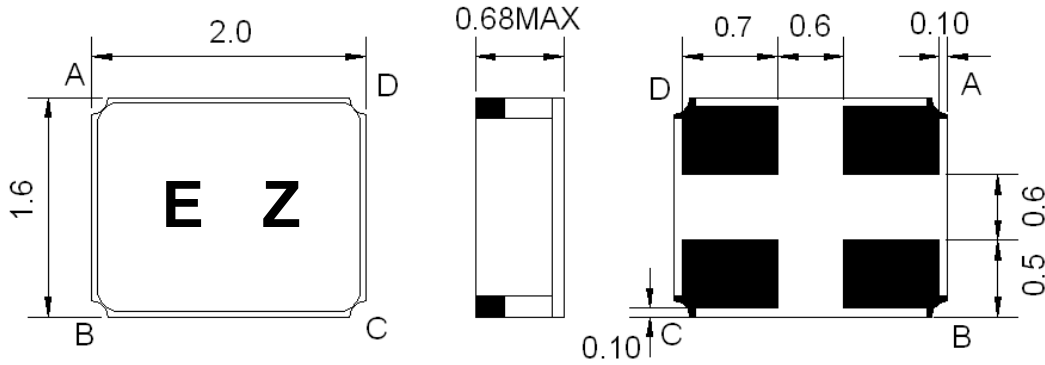
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+80
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	J			
Length x Width	mm <sup>2</sup>	-	2.0 x 1.6	-
Height	mm	-	-	0.68

### Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	2315.0	-
Insertion Loss within 2300.0 ~ 2330.0 MHz	dB	-	2.1	2.5
Amplitude Ripple within 2300.0 ~ 2330.0 MHz	dB <sub>p-p</sub>	-	0.4	1.0
<b>Attenuation:</b>				
D.C. ~ 2170 MHz	dB	20	23	-
2400 ~ 3400 MHz	dB	33	37	-
3400 ~ 4500 MHz	dB	20	25	-
4500 ~ 6000 MHz	dB	10	17	-
VSWR within 2300.0 ~ 2330.0 MHz	-	-	2.0	2.3

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

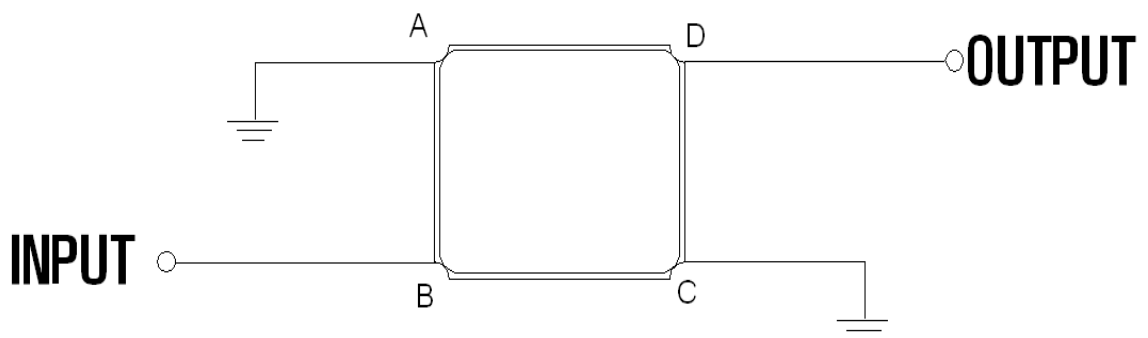
**Package Dimensions**



Marking Descriptions	
E	Series Number
Z	Date Code(Year)

Pin Description	
A, C	Ground
B	In
D	Out

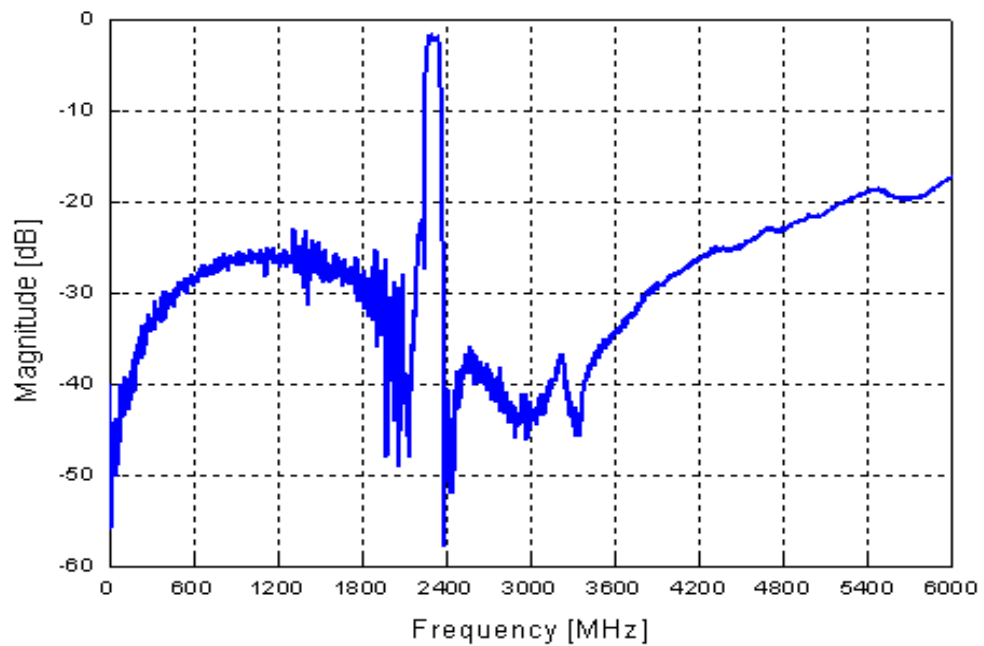
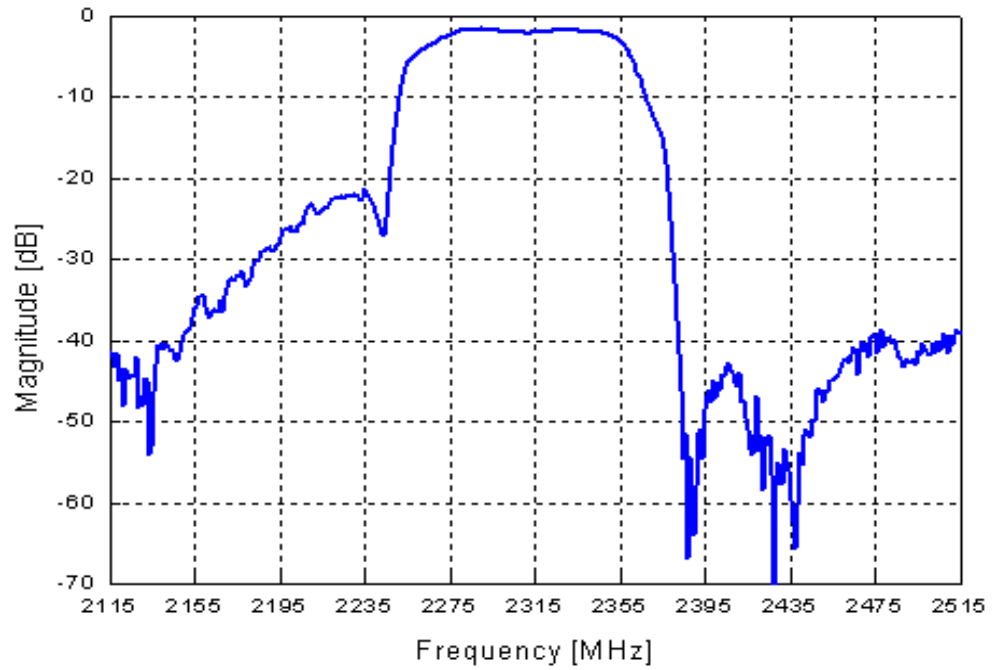
**Testing Environment**



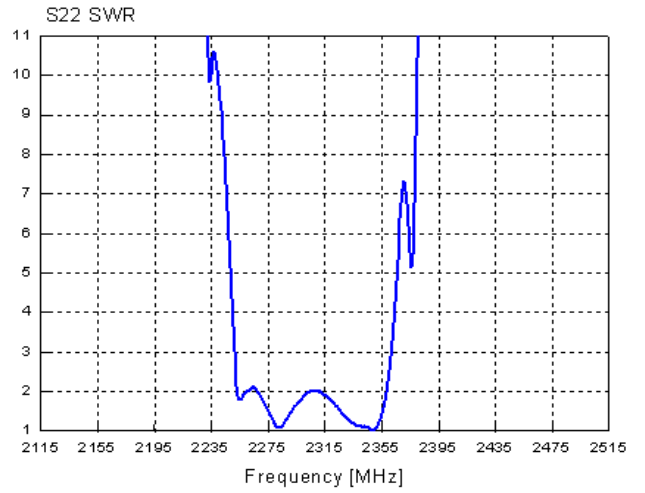
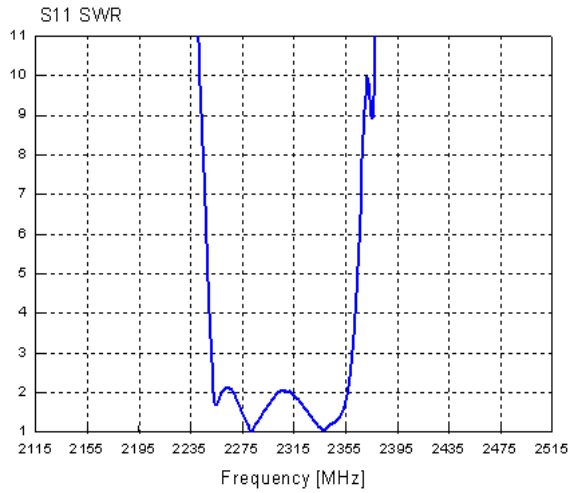
Source & Load Impedance: 50 Ω

**□ Frequency Characteristics**

Frequency Response



**VSWR**



**Smith Chart**

