

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

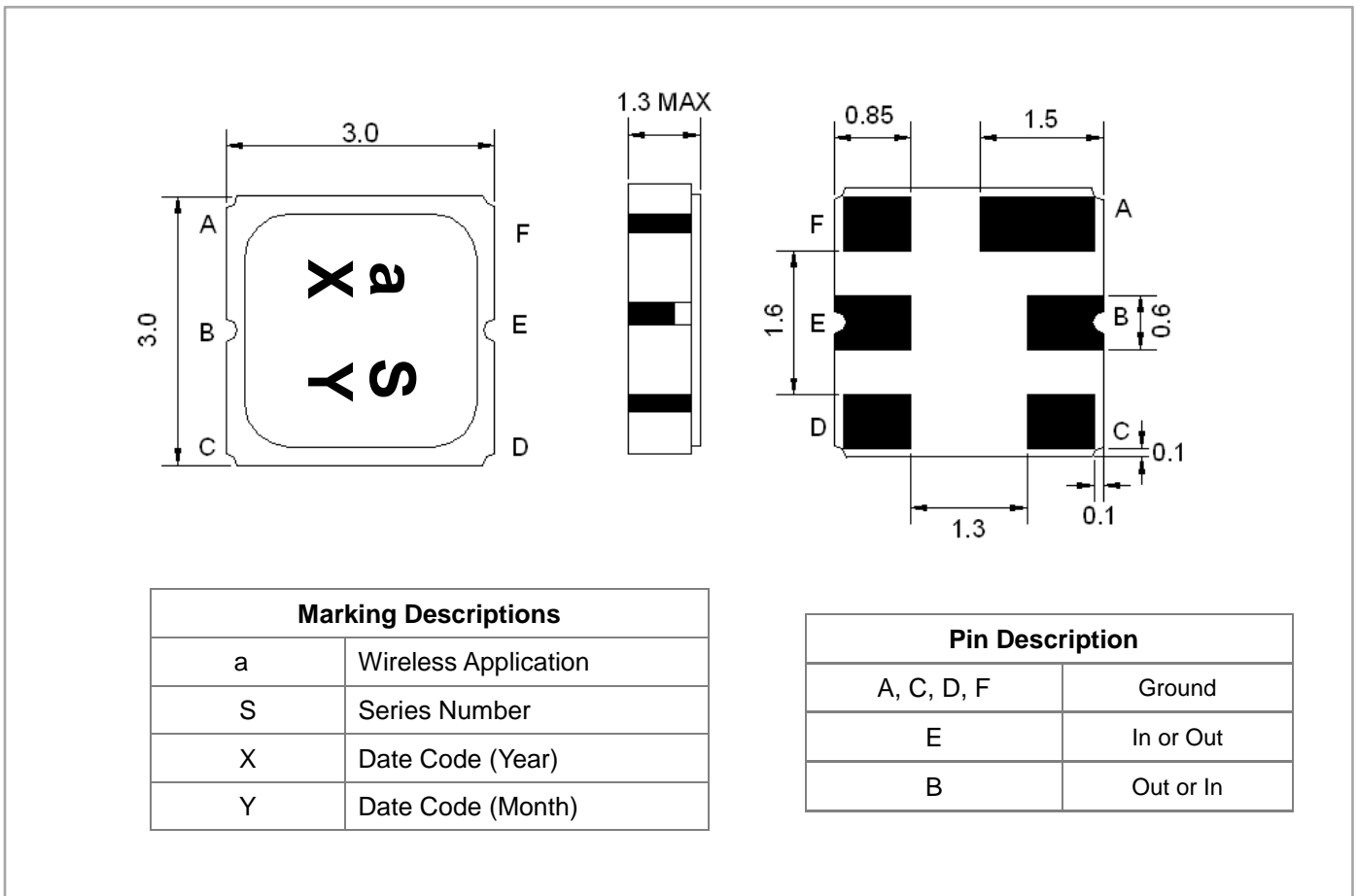
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-25	-	+75
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	20
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

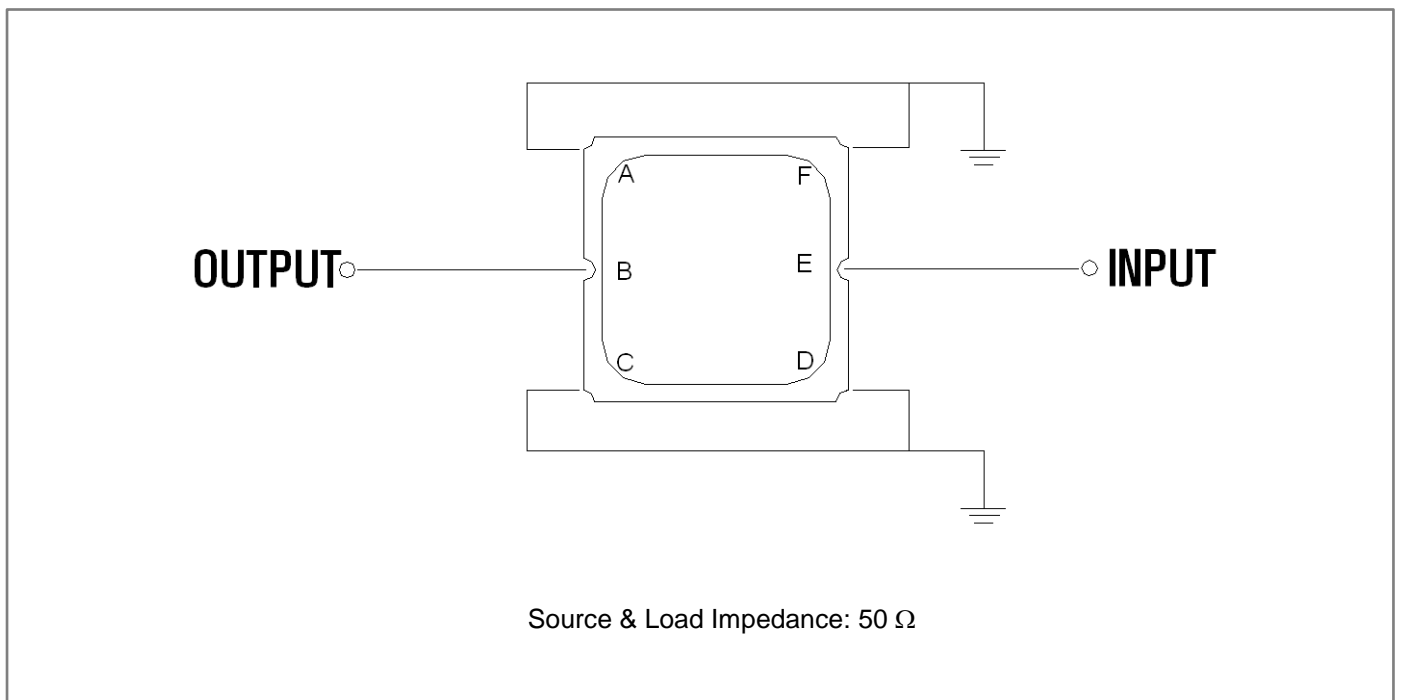
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	902.5	-
Insertion Loss within 890.0 ~ 915.0 MHz	dB	-	2.55	3.3
Amplitude Ripple within 890.0 ~ 915.0 MHz	dB <sub>p-p</sub>	-	0.6	1.3
<b>Attenuation:</b>				
D.C. ~ 845.0 MHz	dB	45	54	-
935.0 ~ 980.0 MHz	dB	10	28	-
980.0 ~ 1200.0 MHz	dB	50	55	-
1200.0 ~ 3000.0 MHz	dB	25	30	-
VSWR within 890.0 ~ 915.0 MHz	-	-	1.6	2.2

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

## Package Dimensions

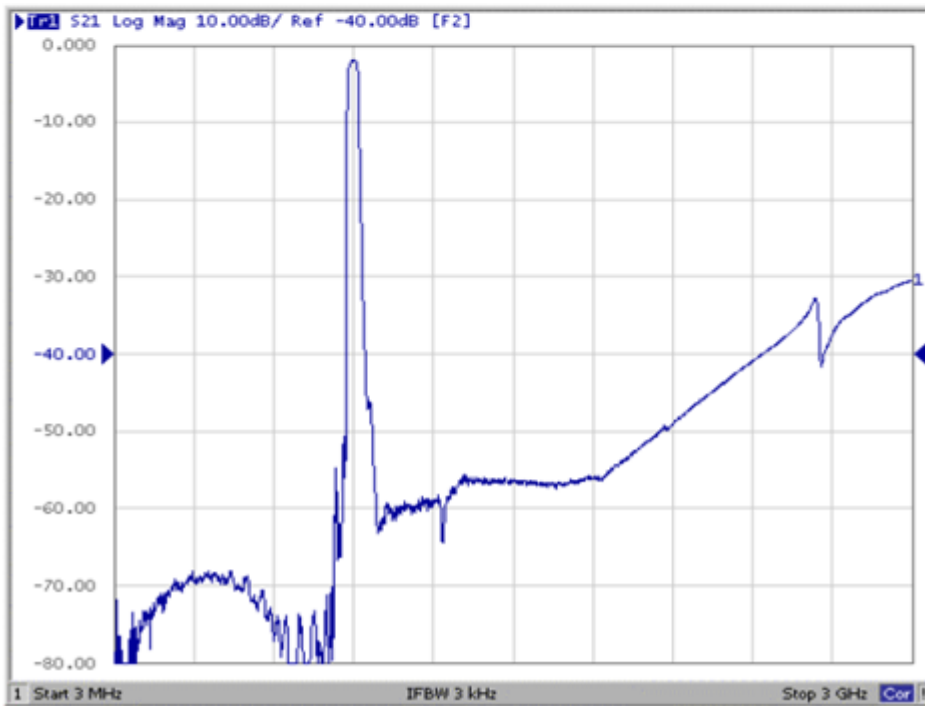
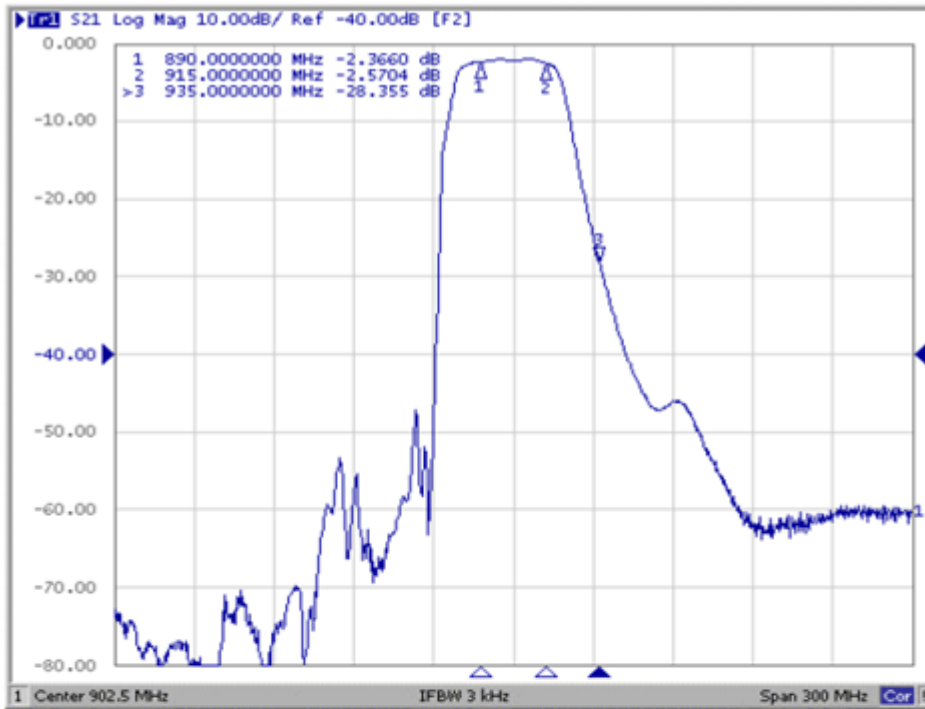


## Testing Environment



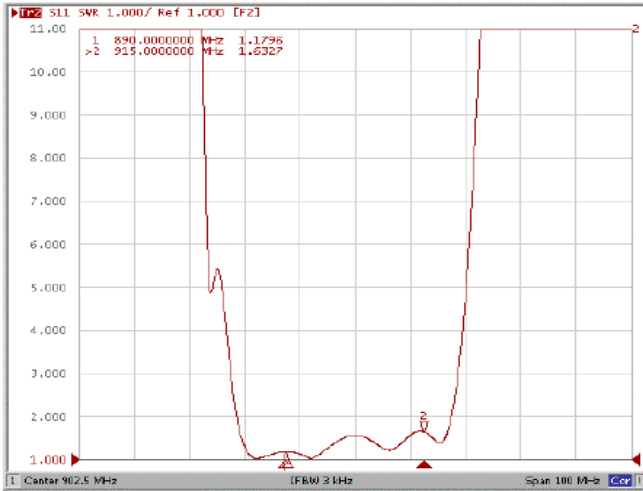
## Frequency Characteristics

### Frequency Response

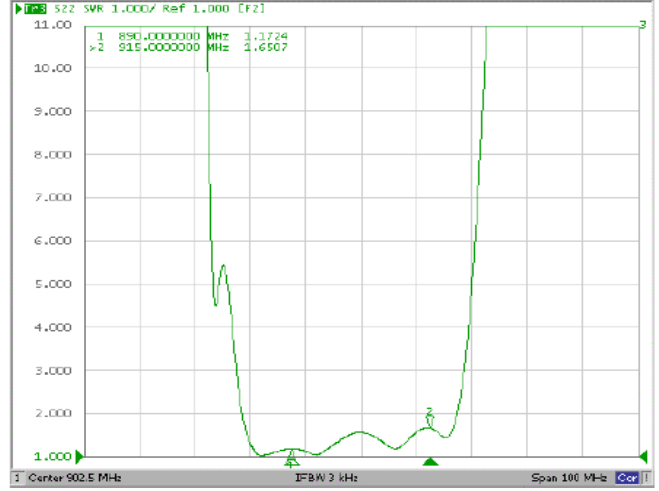


**VSWR**

**S11**

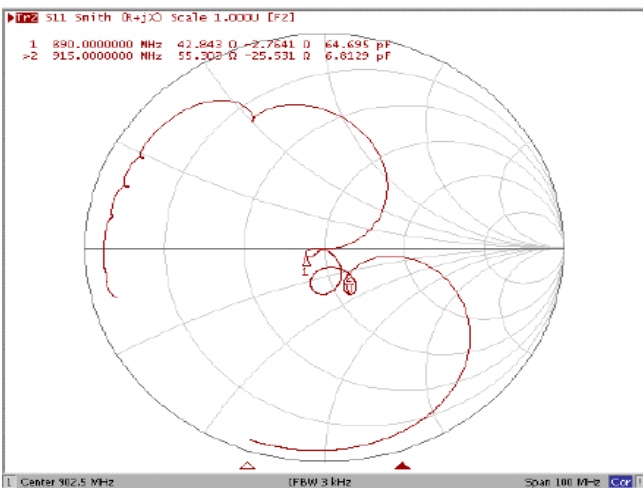


**S22**



**Smith Chart**

**S11**



**S22**

