

- 62.5 MHz IF SAW Filter / 10.27MHz Bandwidth
- Revision 0: 22 Sep. 2008

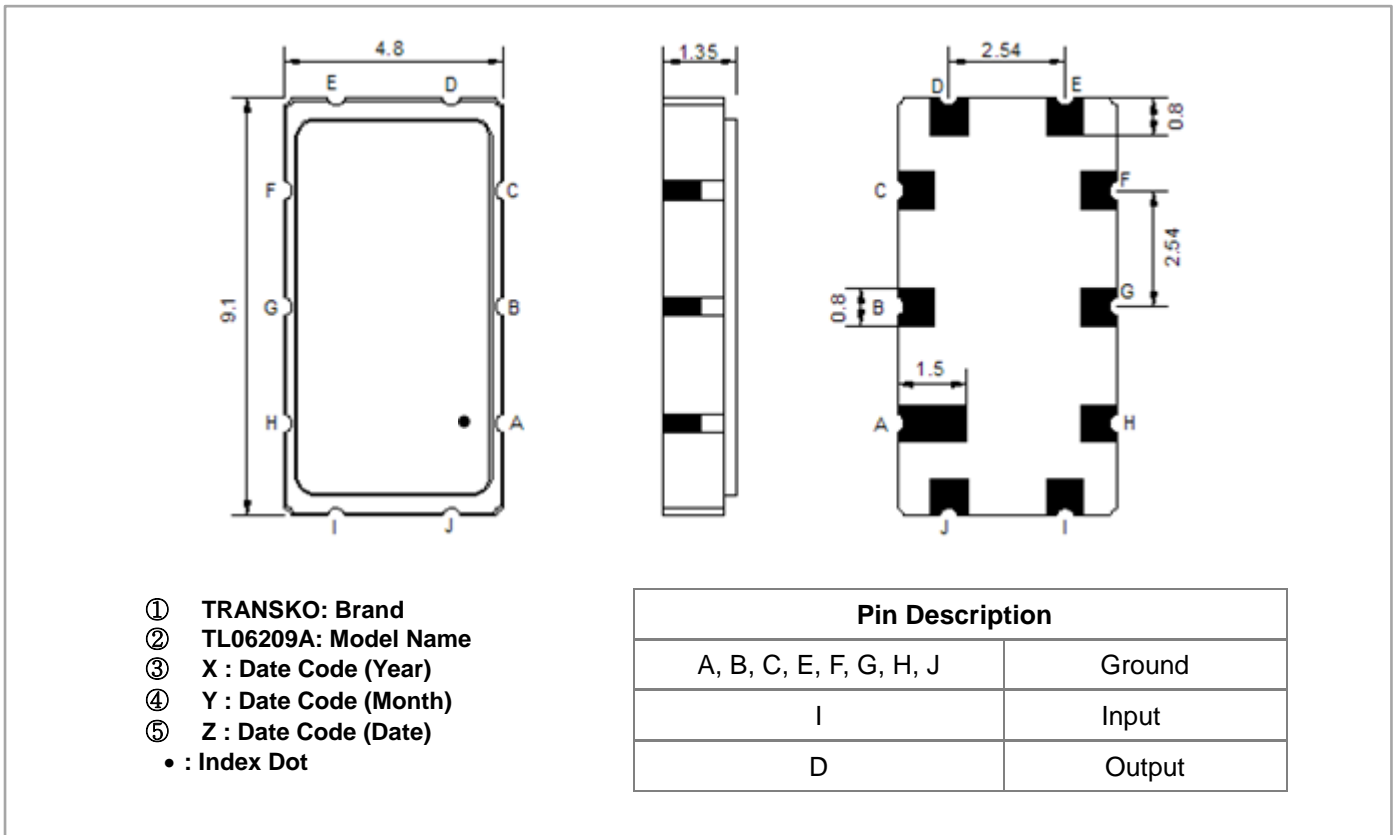
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-30	-	80
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
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	T			
Length x Width	mm <sup>2</sup>	-	9.1 x 4.8	-
Height	mm	-	-	1.5

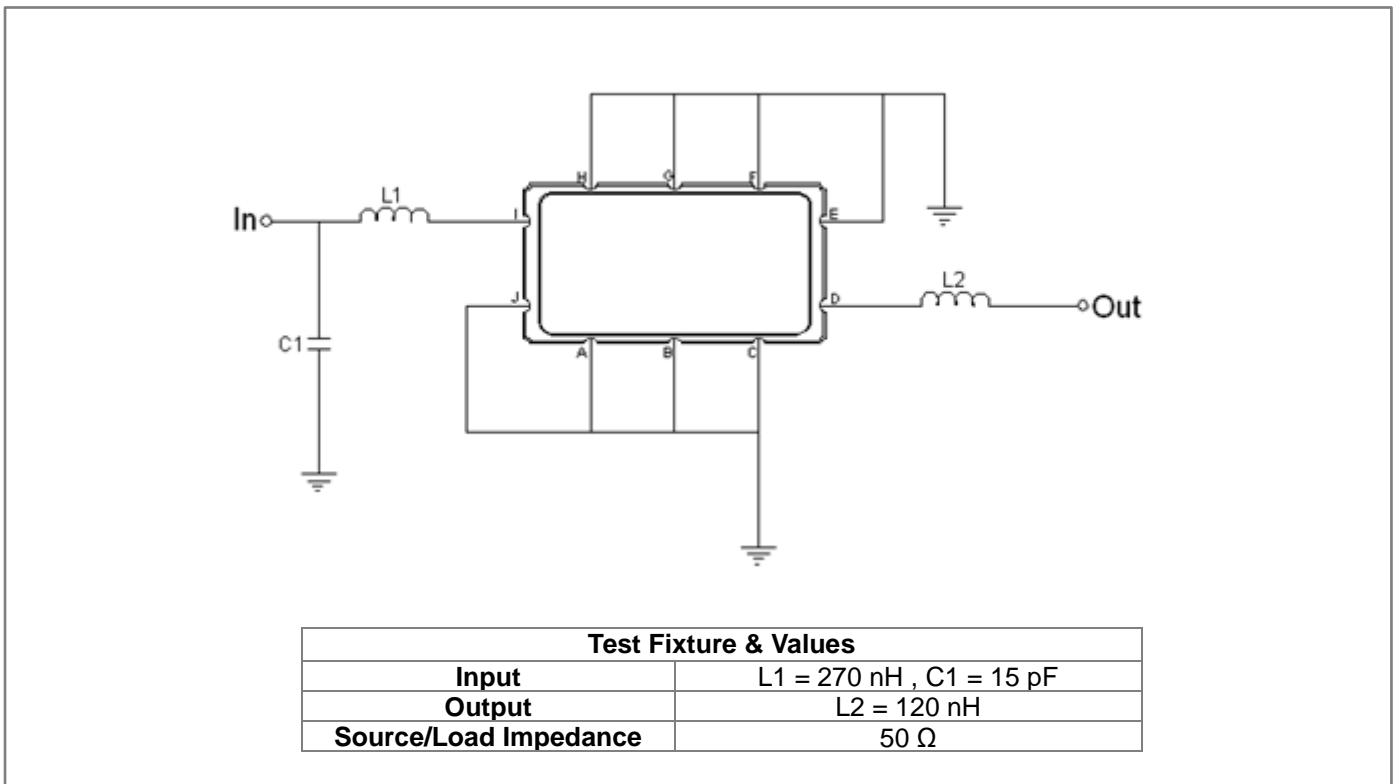
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	62.50	-
Insertion Loss at Fo	dB	-	11.20	13.00
Group Delay Variation at Fo±4.5MHz	nsec	-	60	
Absolute Delay at Fo	usec	-	0.8	-
Passband Ripple at Fo±4.5MHz	dB	-	0.5	1.0
Bandwidth at -1dB	MHz	9.70	10.27	-
Bandwidth at -3dB	MHz	10.80	11.25	-
Bandwidth at -20dB	MHz	-	14.05	-
Bandwidth at -30dB	MHz	-	14.92	15.50
Bandwidth at -40dB	MHz	-	15.65	-
Relative Attenuation				
Lower sidelobe	dB	40	45	
Upper sidelobe	dB	40	45	

**Notes :** (1) With Matching Network (Ref. Testing Environment Circuit as shown below).  
Those impedances could be modified with different impedance values and/or structures, if necessary.

## Package Dimensions



## Testing Environment

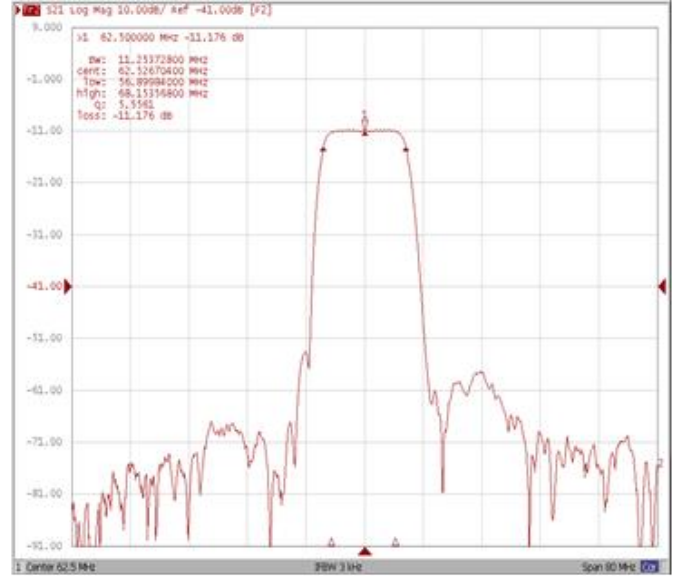
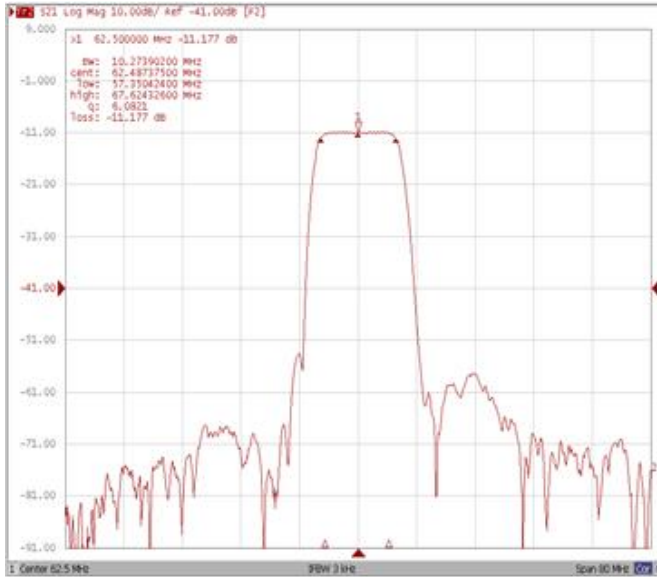


## Frequency Characteristics

### Frequency Response

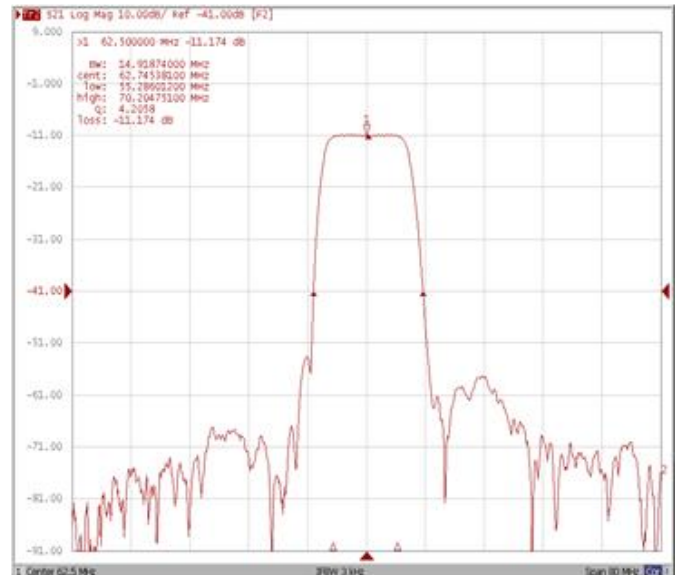
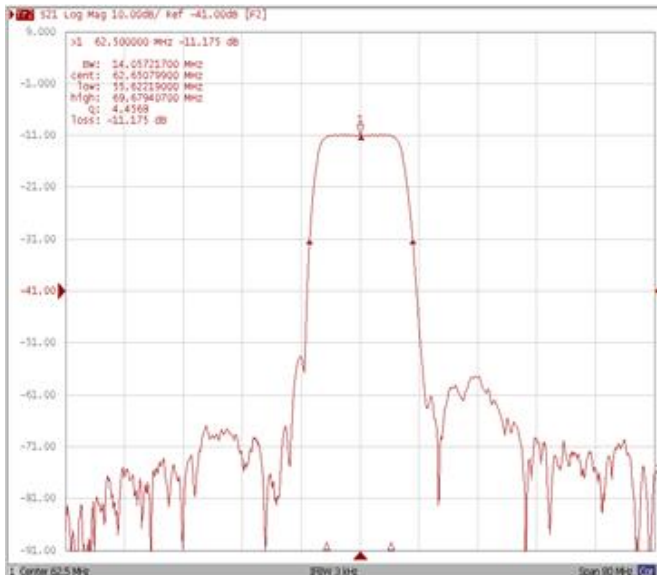
**Bandwidth at -1.0 dB**

**Bandwidth at -3.0 dB**



**Bandwidth at -20.0 dB**

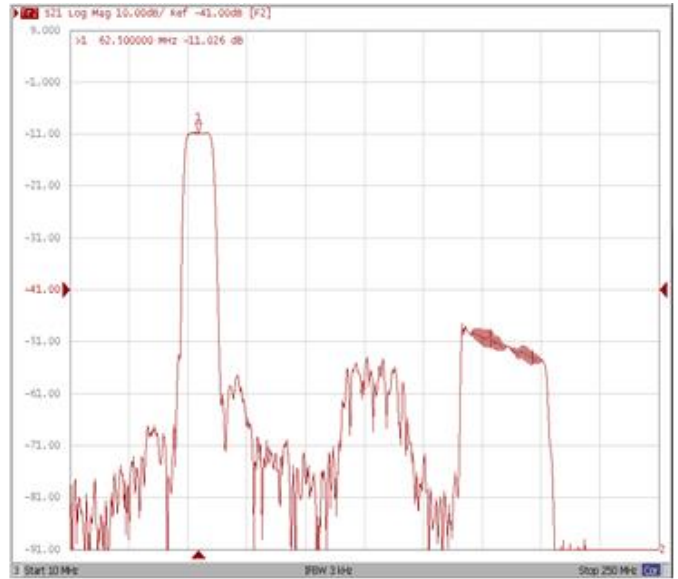
**Bandwidth at -30.0 dB**



**Frequency Response**

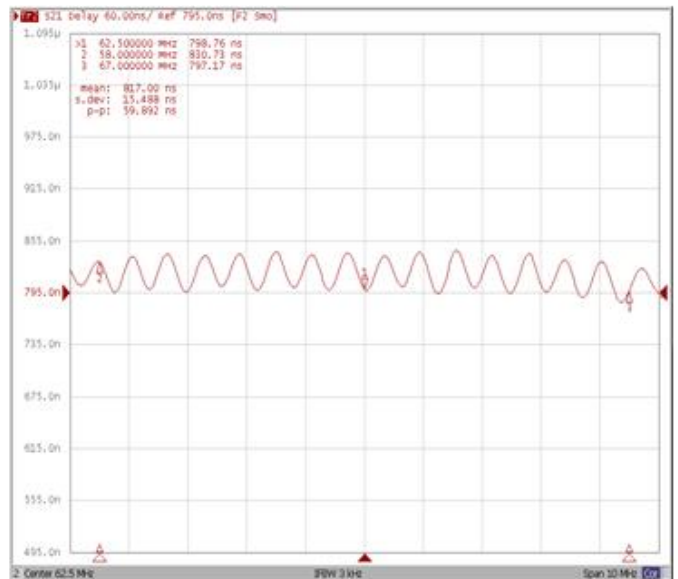
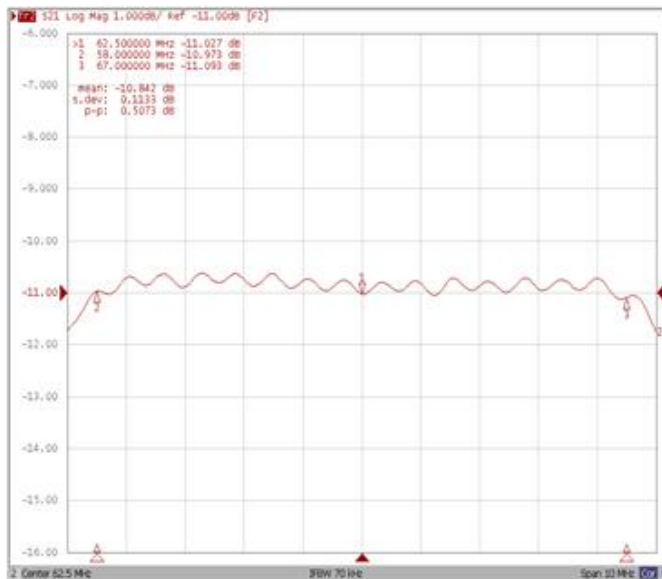
**Bandwidth at -40.0 dB**

**Wide-Band**



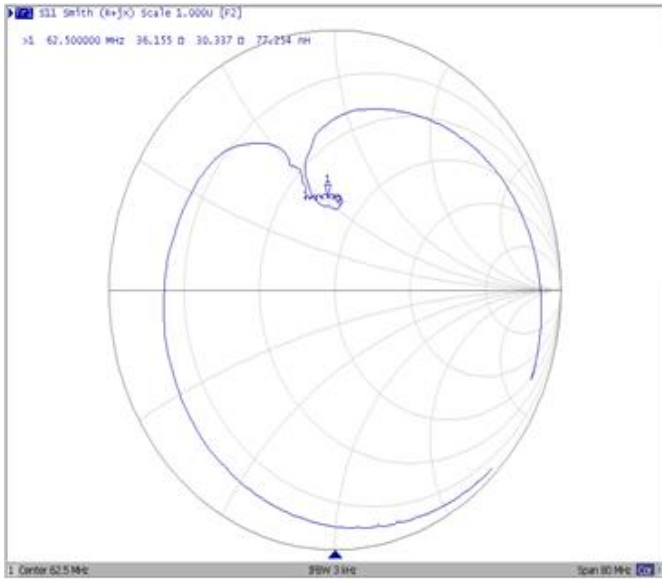
**Ripple Variation Fo±4.5MHz**

**Group Delay Variation Fo±4.5MHz**

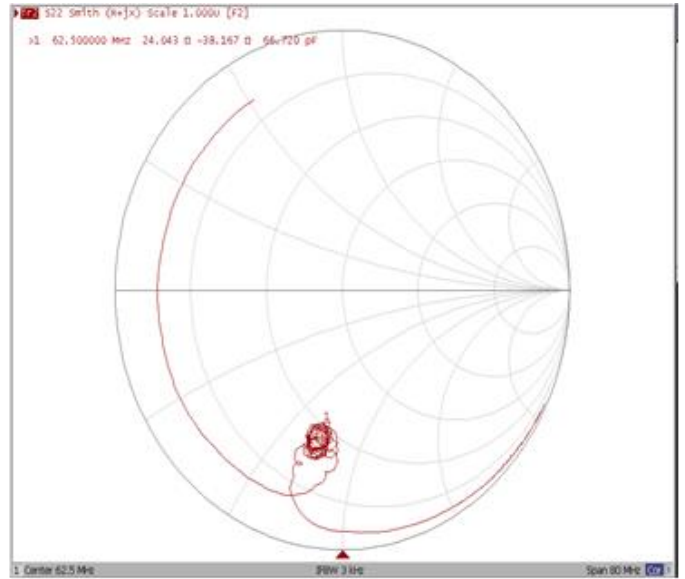


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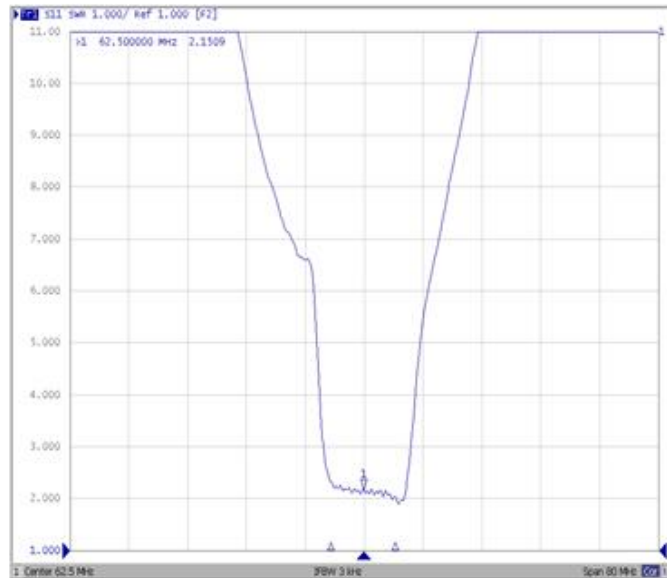
**Smith Chart S11**



**Smith Chart S22**



**SWR S11**



**SWR S22**

