- **62.50 MHz IF SAW Filter / 19.62MHz Bandwidth**
- **Revision 0: 22 Mar. 2008**

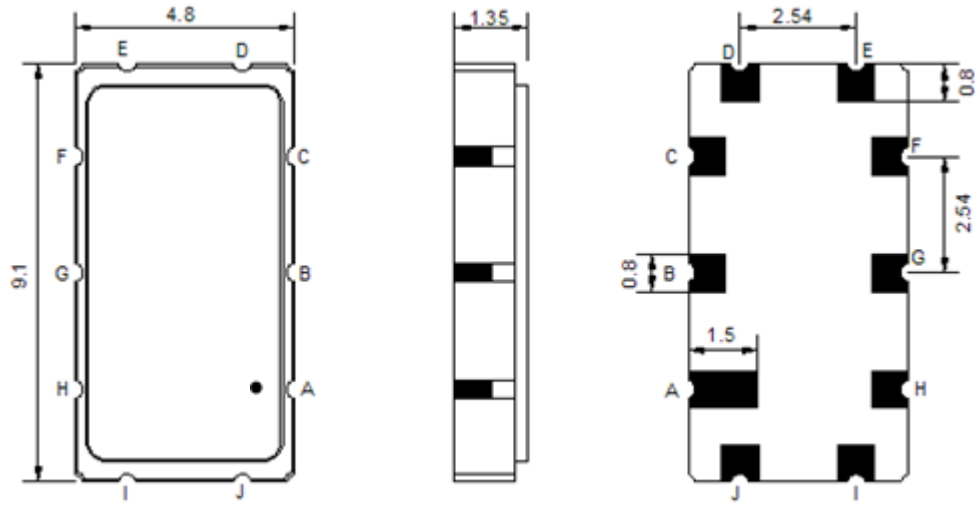
Electrical Characteristics

MAXIMUM RATING				
Parameters Description	**Unit**	**Minimum**	**Typical**	**Maximum**
Operating Temperature Range	°C	-30	-	60
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	T			
Length x Width	mm^2	-	9.1 x 4.8	-
Height	mm	-	-	1.5

ELECTRICAL SPECIFICATION				
Parameters Description	**Unit**	**Minimum**	**Typical**	**Maximum**
Center Frequency (Fo)	MHz	-	62.5	-
Insertion Loss at Fo	dB	-	20.50	22.0
Group Delay Variation at Fo±9.22MHz	nsec	-	30	80
Absolute Delay at Fo	usec	-	1.01	-
Passband Ripple at Fo±9.22MHz	dB	-	0.50	1.0
Bandwidth at -1dB	MHz	19.50	19.62	-
Bandwidth at -3dB	MHz	-	20.44	-
Bandwidth at -5dB	MHz	-	20.94	-
Bandwidth at -40dB	MHz	-	25.20	25.80
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.

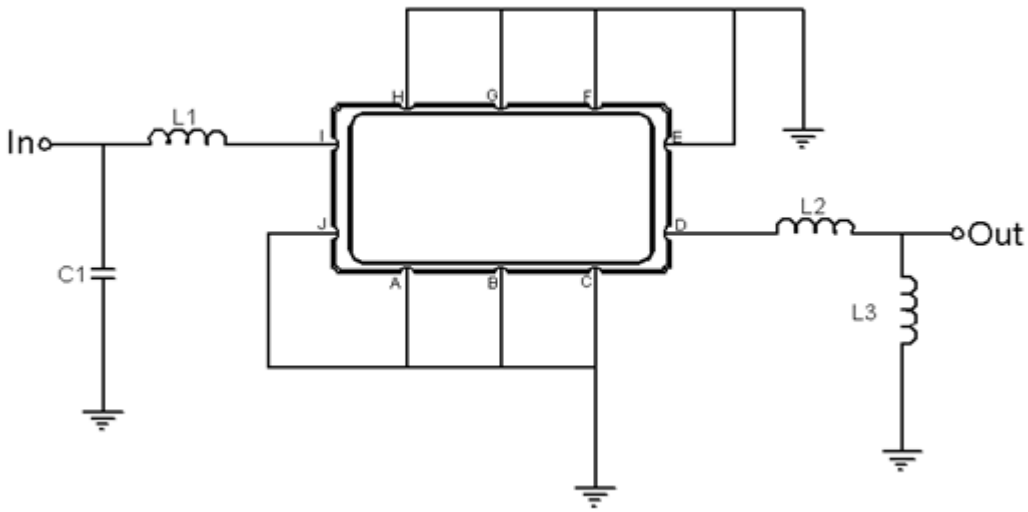
Package Dimensions



① **TRANSKO: Brand**
② **TL06219C: Model Name**
③ **X : Date Code (Year)**
④ **Y : Date Code (Month)**
⑤ **Z : Date Code (Date)**
• **: Index Dot**

Pin Description	
A, B, C, E, F, G, H, J	Ground
I	Input
D	Output

Testing Environment



Test Fixture & Values	
Input	L1 = 180 nH, C1 = 33 pF
Output	L2 = 39 nH, C2 = 68 pF
Source/Load Impedance	50 Ω

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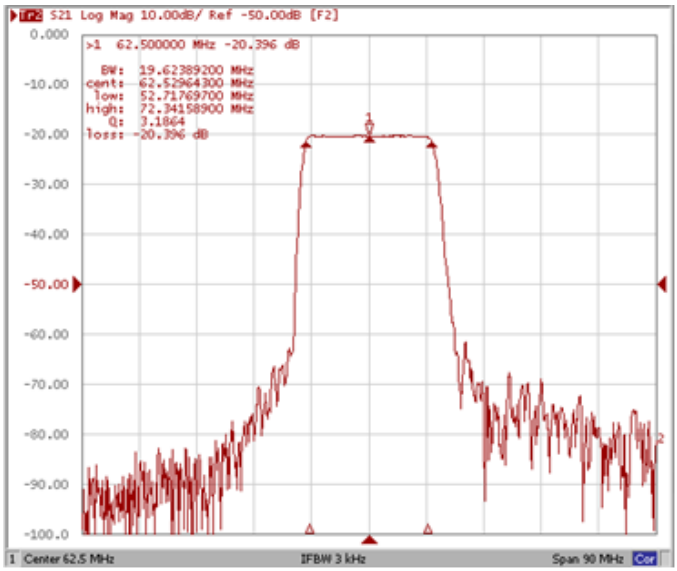
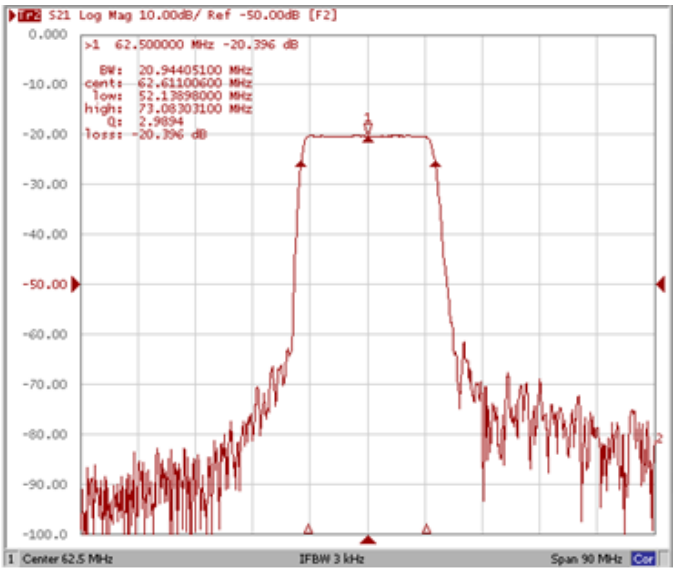
Frequency Characteristics

Frequency Response

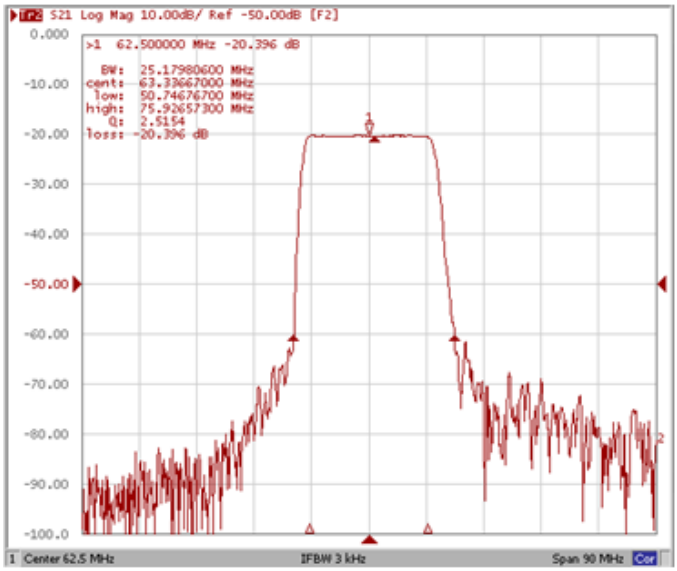
Bandwidth at –1.0 dB



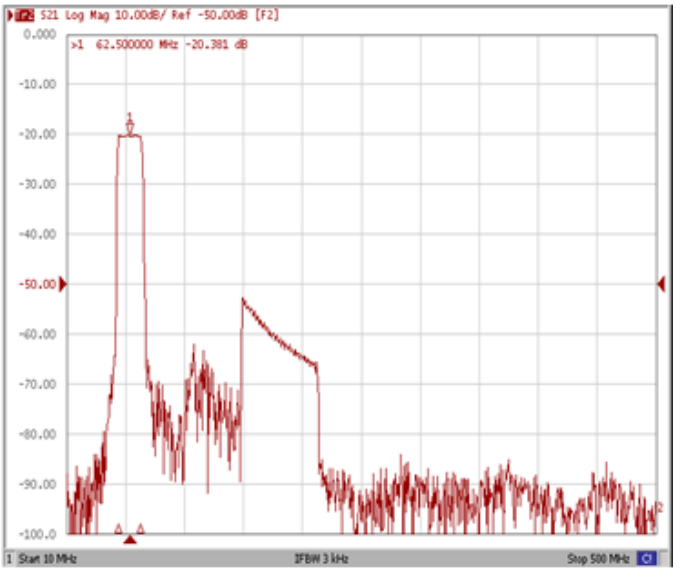
Bandwidth at –5.0 dB



Bandwidth at –40.0 dB

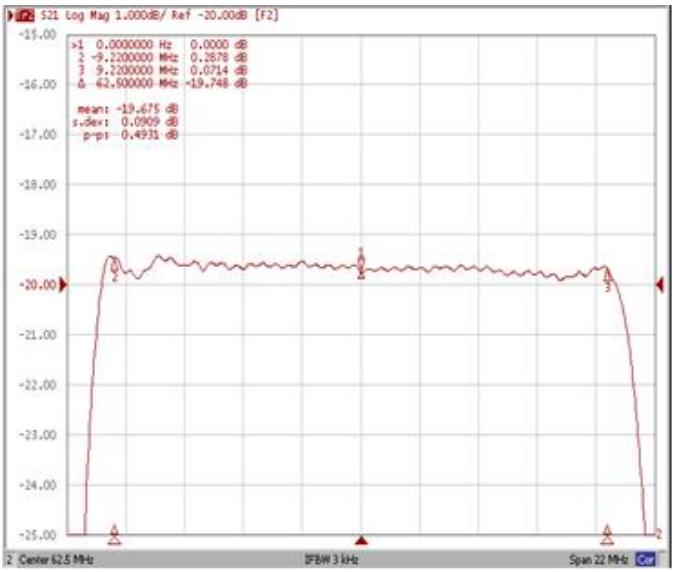


Wide-Band

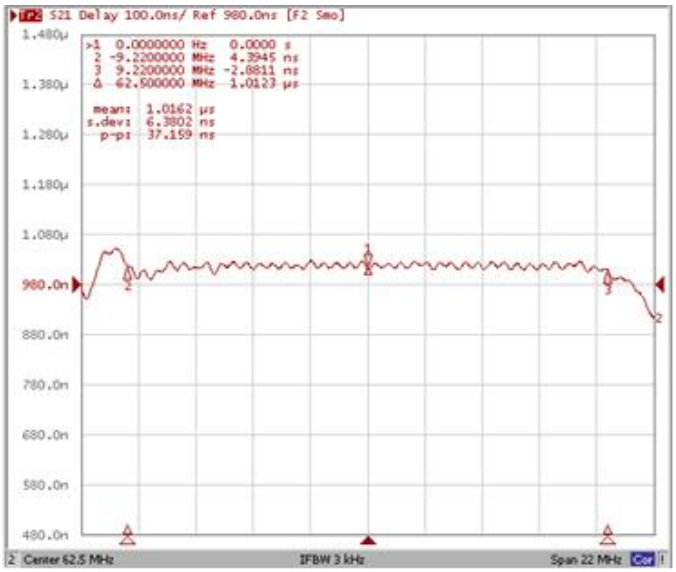


Frequency Response

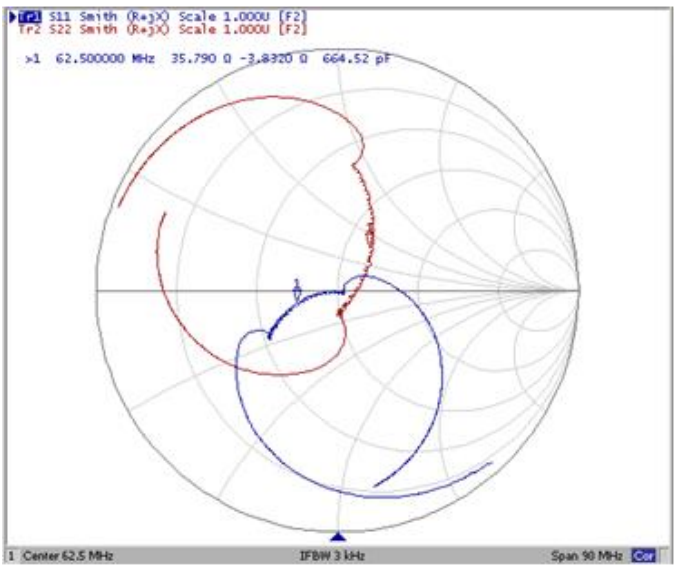
Ripple Variation Fo ±9.22MHz



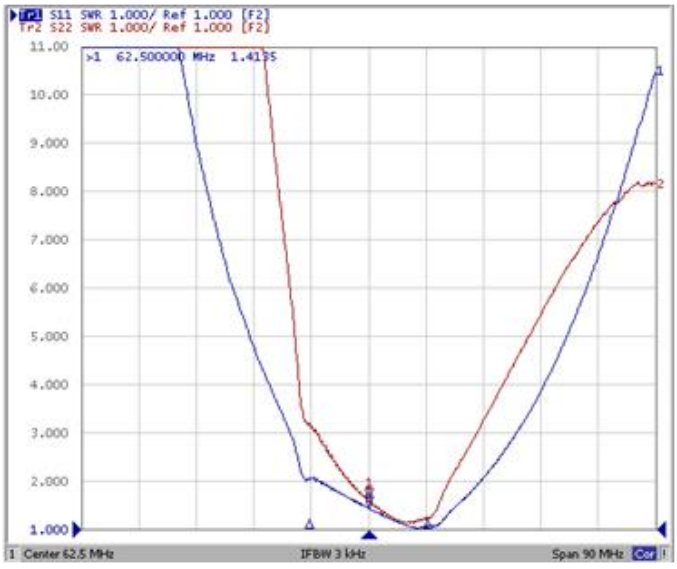
Group Delay Variation Fo ±9.22MHz



Smith Chart



SWR



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