- **62.50 MHz IF SAW Filter / 6.62 MHz Bandwidth**
- **Revision 0: 06 Nov. 2008**

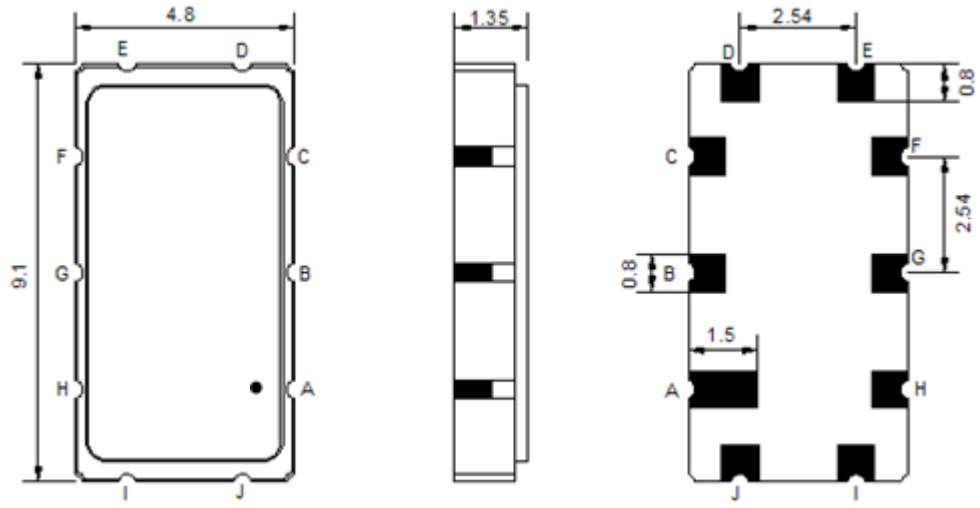
Electrical Characteristics

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)(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	-	62.50	-
Insertion Loss at Fo	dB	-	9.6	13.0
Temperature Coefficient	ppm/℃	-	-86	-
Group Delay Variation at Fo±2.4MHz	nsec	-	69	100
Absolute Delay at Fo	usec	-	0.95	-
Passband Ripple at Fo±2.4MHz	dB	-	0.37	0.8
Bandwidth at -1dB	MHz	6.0	6.62	-
Bandwidth at -3dB	MHz	-	7.62	-
Bandwidth at -30dB	MHz	-	10.40	10.80
Ultimate Rejection	dB	-	42	-
VSWR Input	-	-	3.5	-
VSWR Output	-	-	5.5	-

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.

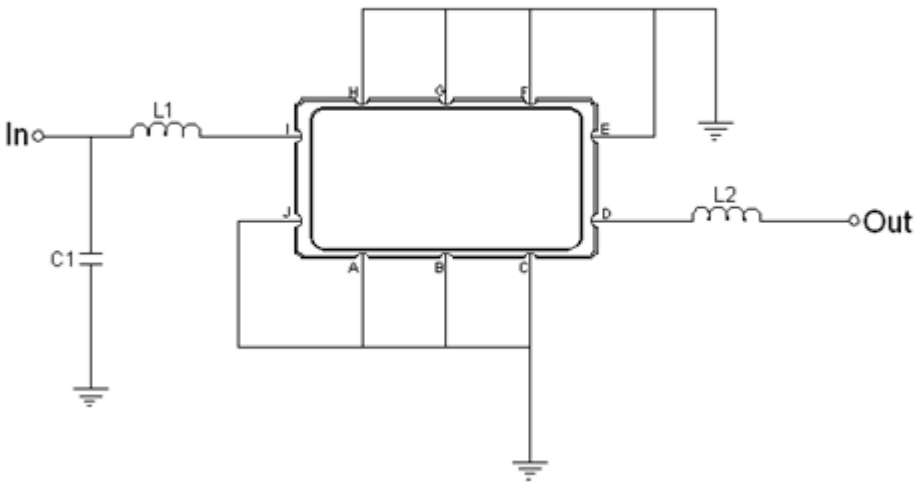
Package Dimensions



① **TRANSKO: Brand**
② **TL06206C: 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 = 91 pF
Output	L2 = 68 nH
Source/Load Impedance	50 Ω

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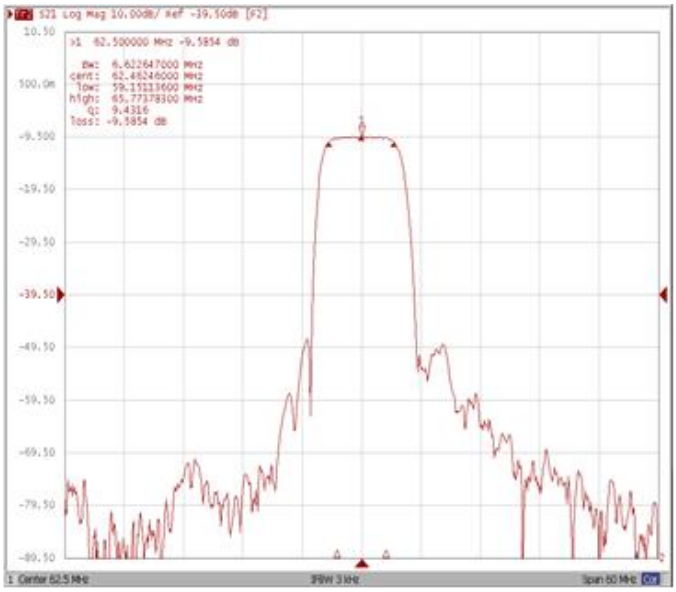
Tel: 714-528-8000 Fax: 714-528-8017 Website: www.transko.com E-mail: sales@transko.com

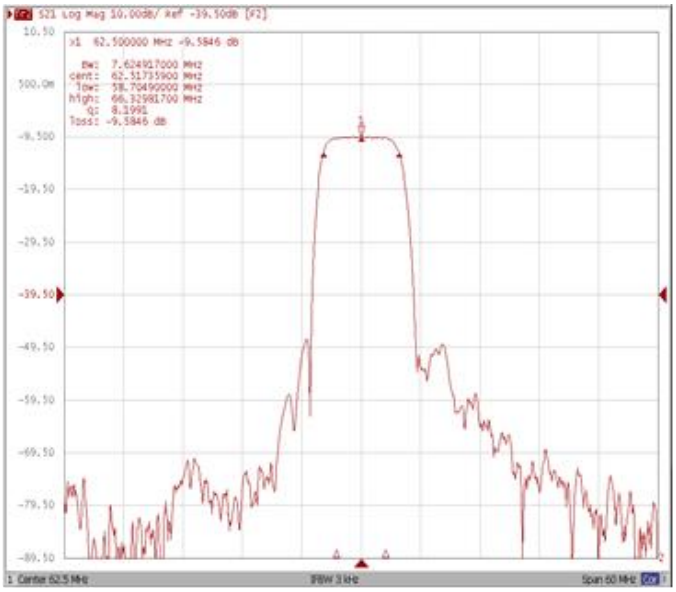
Frequency Characteristics

Frequency Response

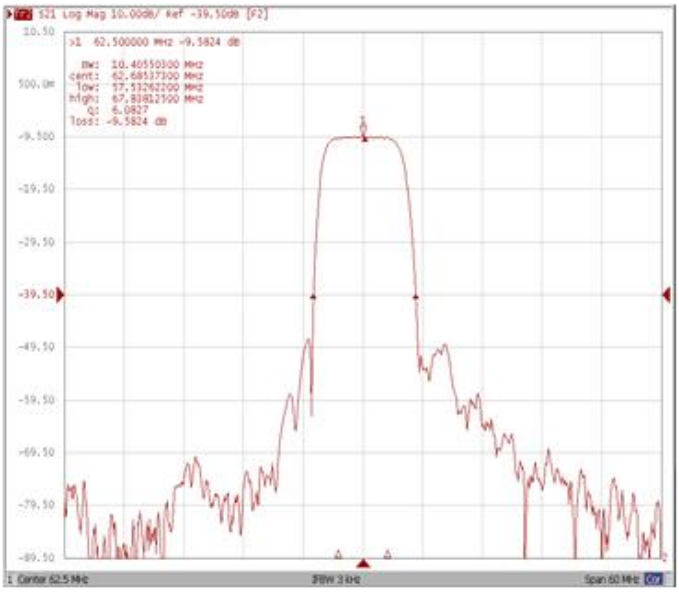
Bandwidth at –1.0 dB



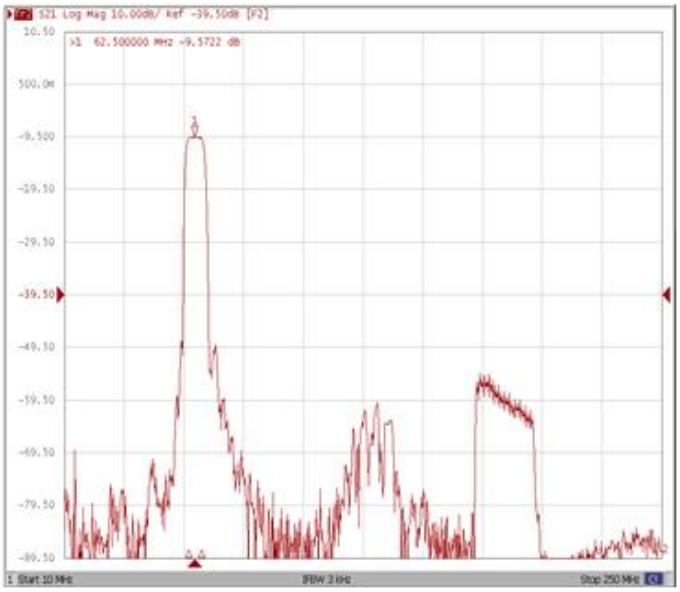
Bandwidth at –3.0 dB



Bandwidth at –30.0 dB

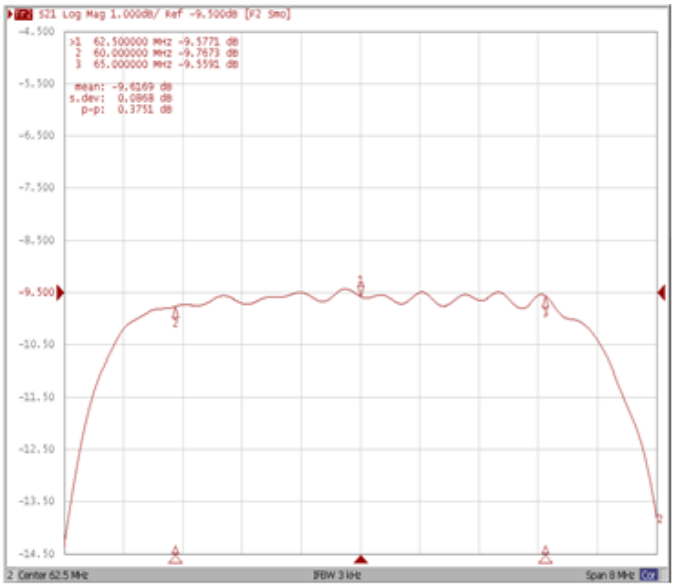


WIDE

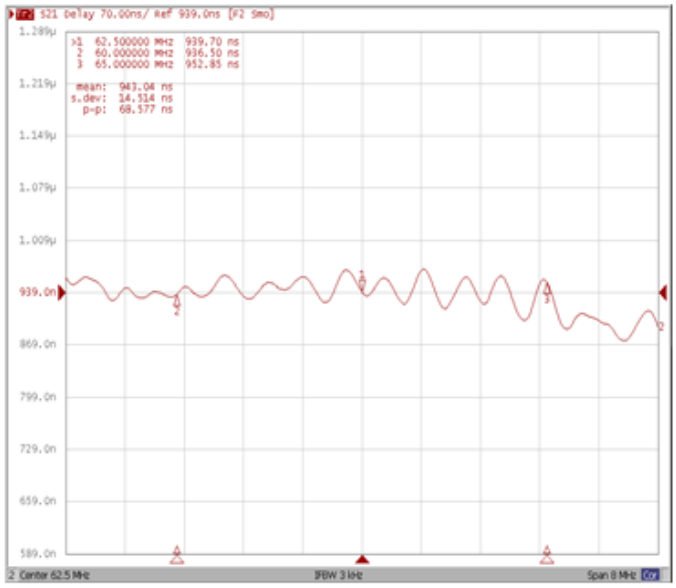


Frequency Response

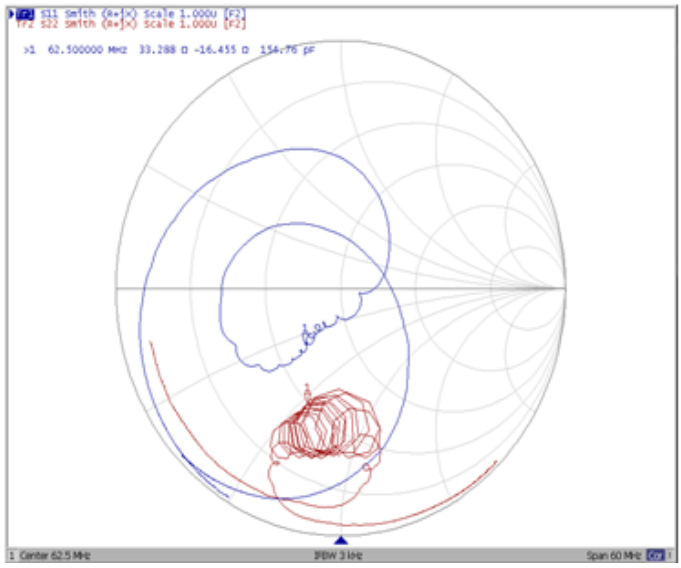
Ripple Variation Fo±2.4MHz



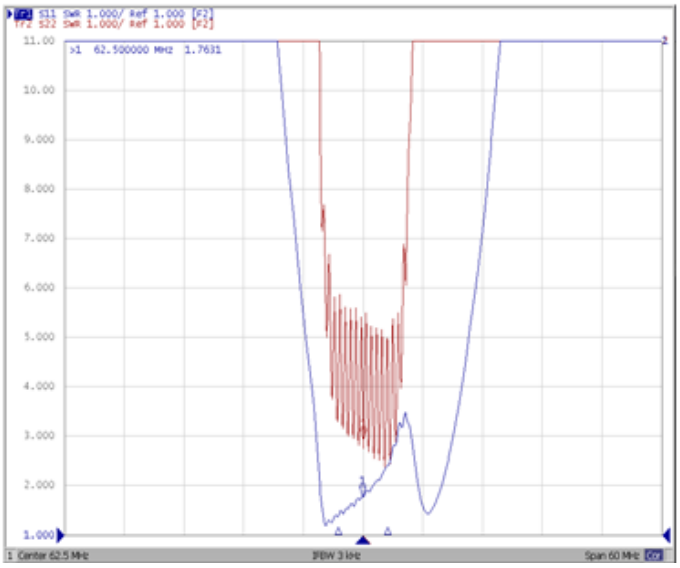
Group Delay Variation Fo±2.4MHz



Smith Chart



SWR



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