- **62.50 MHz IF SAW Filter / 4.40 MHz Bandwidth**
- **Revision 0: 06 May 2009**

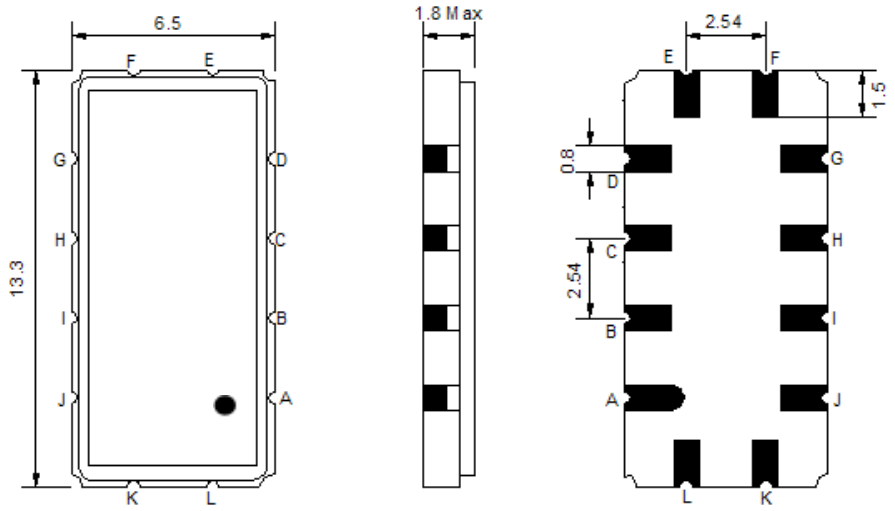
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operating Temperature Range	°C	-	25	-
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	V			
Length x Width	mm²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Center Frequency (Fo)	MHz	-	62.50	-
Insertion Loss at Fo	dB	-	14.60	17.00
Group Delay Variation (Fo±1.92MHz)	nsec	-	40	70
Absolute Delay Time at Fo	usec	-	1.70	-
Temperature Coefficient	ppm/°C	-	-20	-
Amplitude Ripple (Fo±1.92MHz)	dB	-	0.35	0.80
Bandwidth at -1dB	MHz	4.20	4.40	-
Bandwidth at -3dB	MHz	4.60	4.85	-
Bandwidth at -30dB	MHz	-	6.30	6.60
Relative Attenuation:				
Lower Sidelobe	dB	40	48	-
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.

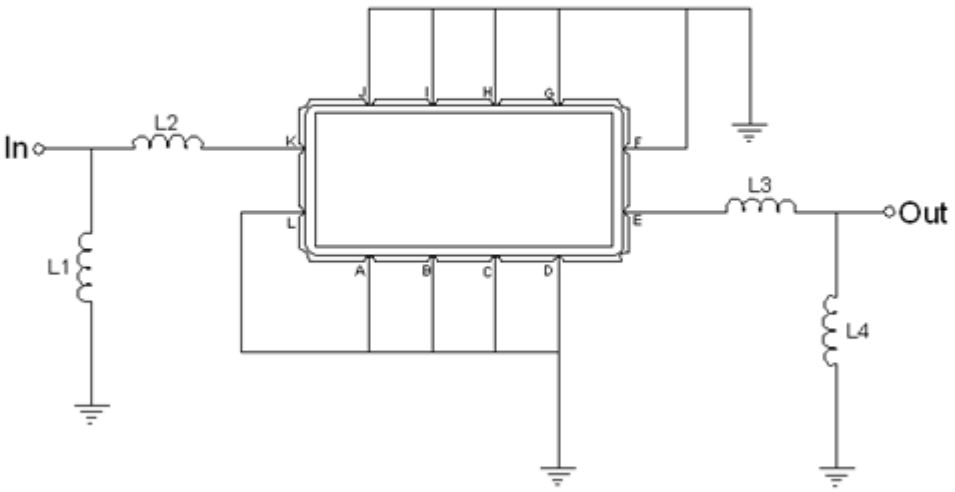
Package Dimensions



① **TRANSKO: Brand**
② **TL06204A: Model Name**
③ **X : Date Code (Year)**
④ **Y : Date Code (Month)**
⑤ **Z : Date Code (Date)**
• **: Index Dot**

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

Testing Environment



Test Fixture & Values	
Input	L1 = 56 nH, L2 = 10 nH
Output	L3 = 10 nH, L4 = 56 nH
Source/Load Impedance	50 Ω

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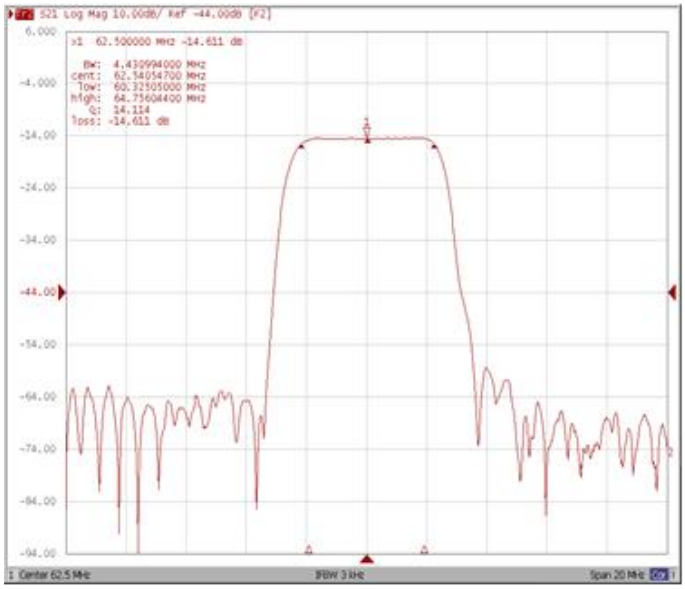
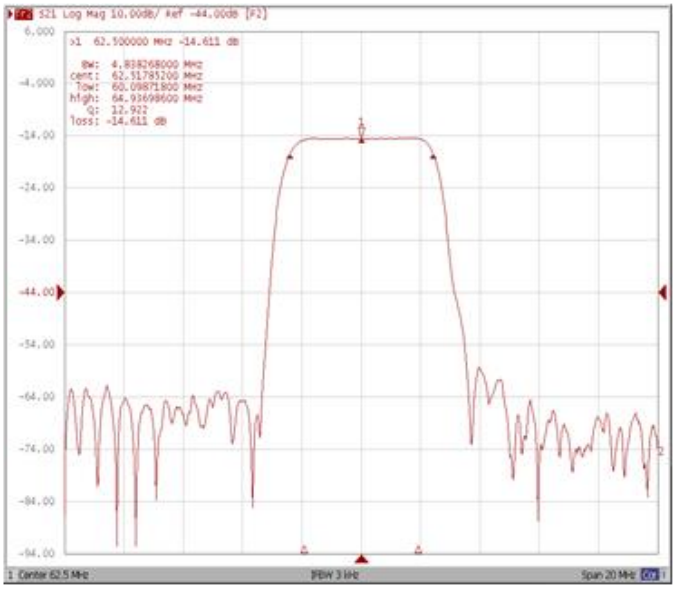
Frequency Characteristics

Frequency Response

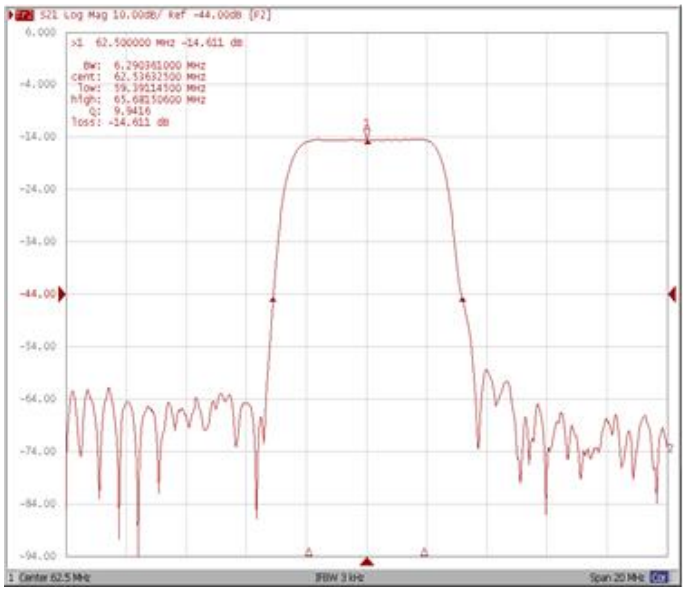
Bandwidth at –1.0 dB



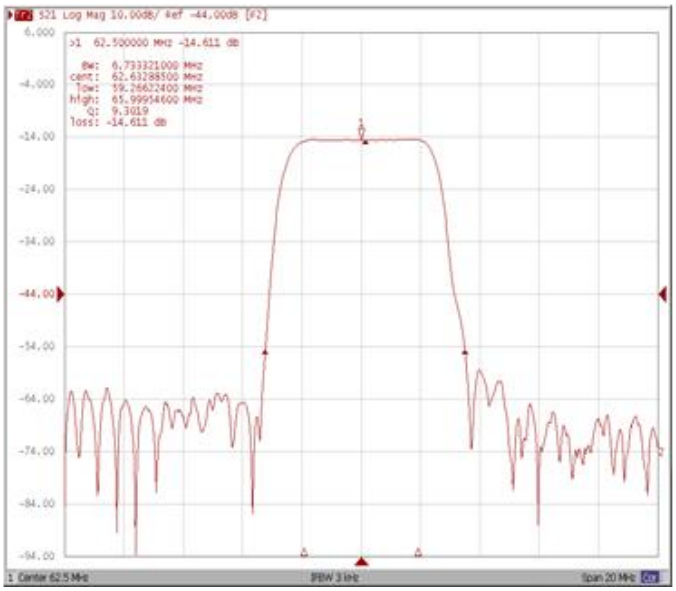
Bandwidth at –3.0 dB



Bandwidth at –30.0 dB

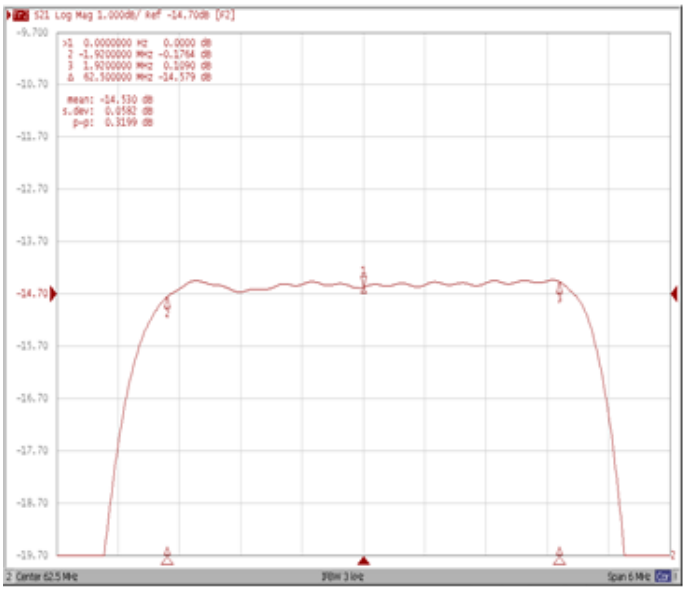


Bandwidth at –40.0 dB

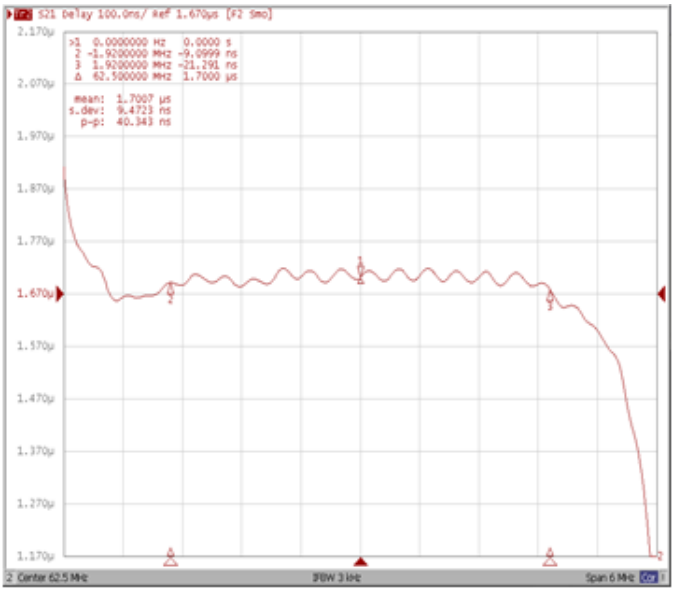


Frequency Response

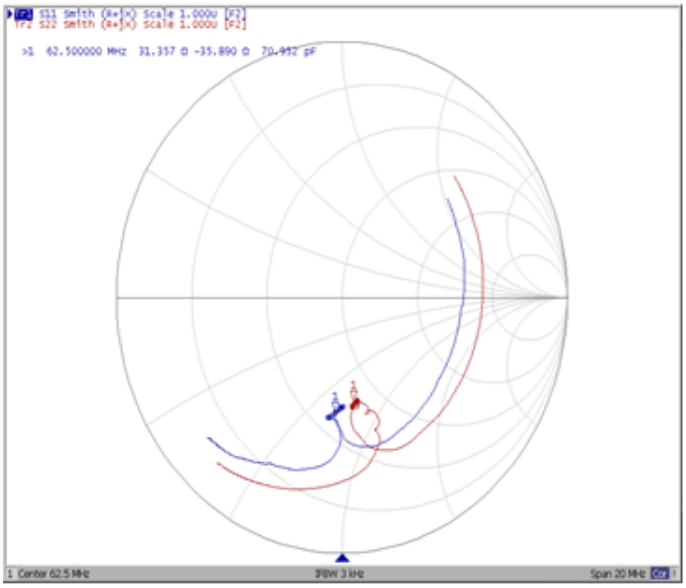
Ripple Variation Fo±1.92MHz



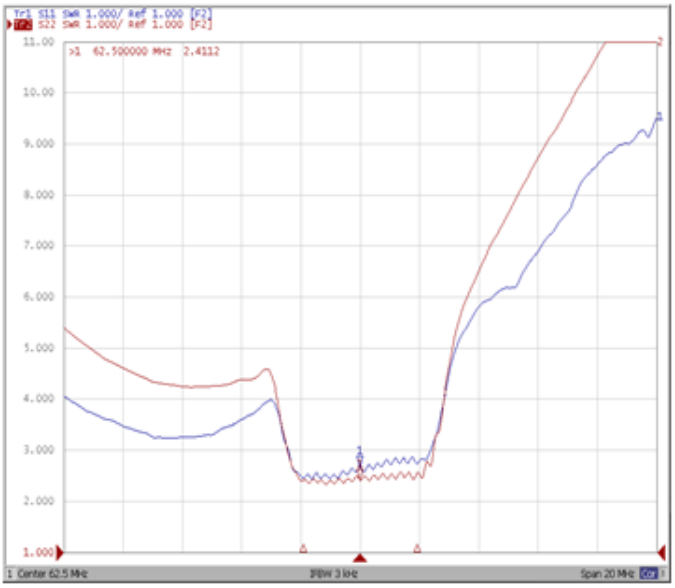
Group Delay Variation Fo±1.92MHz



Smith Chart



VSWR



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