- **75.0 MHz IF SAW Filter / 11.90 MHz Bandwidth**
- **Revision 0: 6 Mar. 2008**

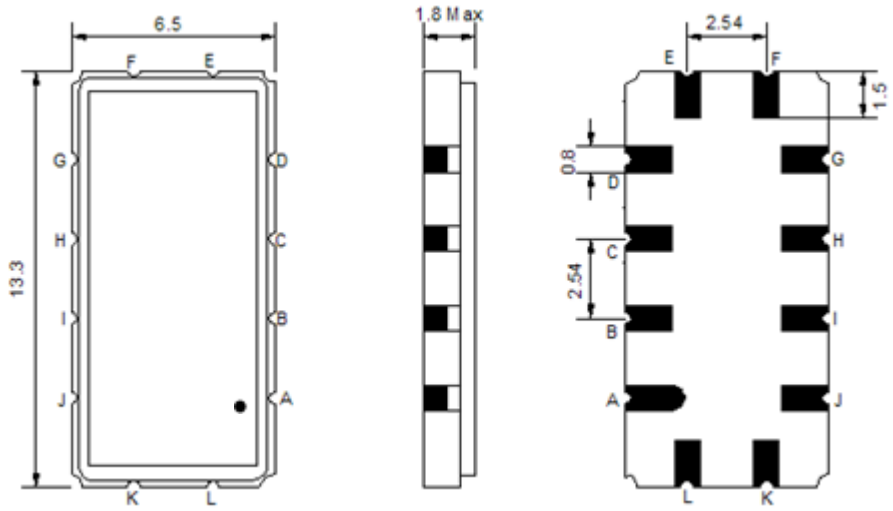
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operation Temperature Range	°C	0	-	70
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	-	75.0	-
Insertion Loss at Fo	dB	-	22.0	24.0
Temperature Coefficient	ppm/°C	-	-72	-
Amplitude Ripple within fo ±5.5 MHz	dB_{p-p}	-	0.45	1.0
Group Delay Variation within fo ±5.5 MHz	nsec	-	45	80
Absolute Delay at Fo	µsec	-	1.55	-
Bandwidth at –1.0 dB	MHz	11.70	11.90	-
Bandwidth at –3.0 dB	MHz	-	12.42	-
Bandwidth at –40.0 dB	MHz	-	14.55	-
Relative Attenuation				
Fo ±7.5 MHz	dB	45	55	
Lower Sidelobe	dB	50	55	-
Upper Sidelobe	dB	50	55	-

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.

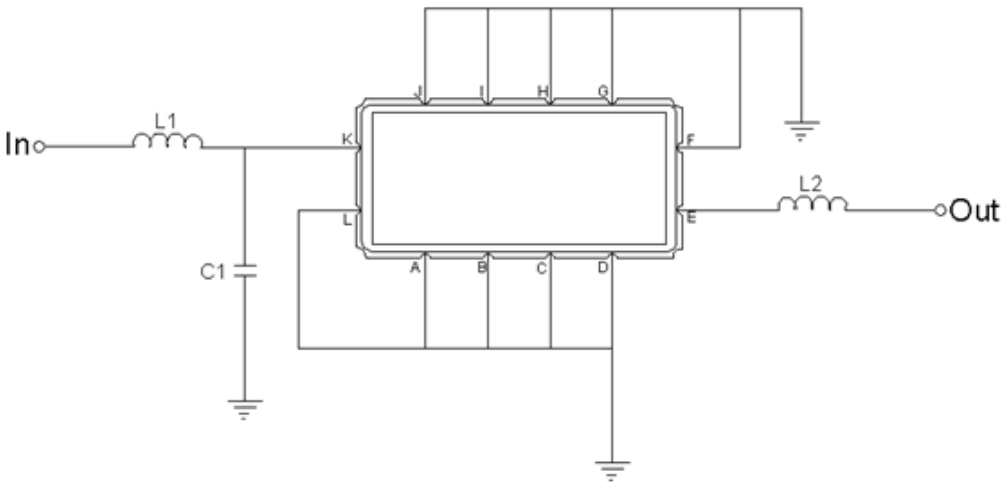
Package Dimensions



① TRANSKO: Brand
② TA07511B: 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

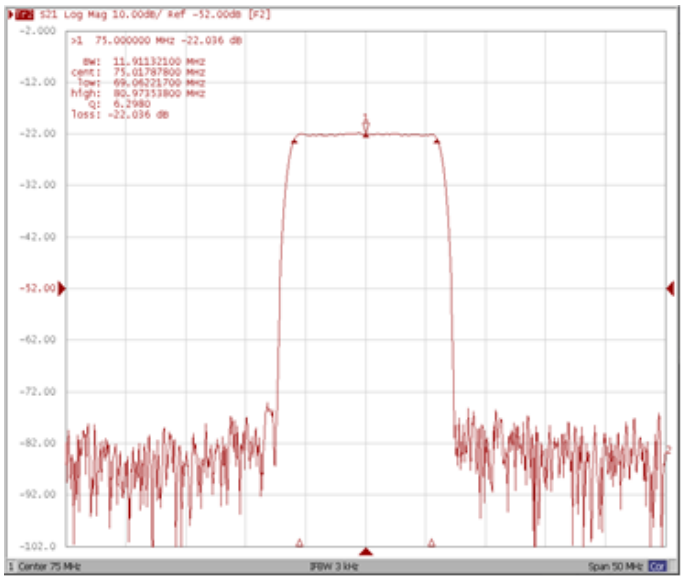


Test Fixture & Values	
Input	L1=100nH , C1=20pF
Output	L2=100nH
Source/Load Impedance	50 Ω

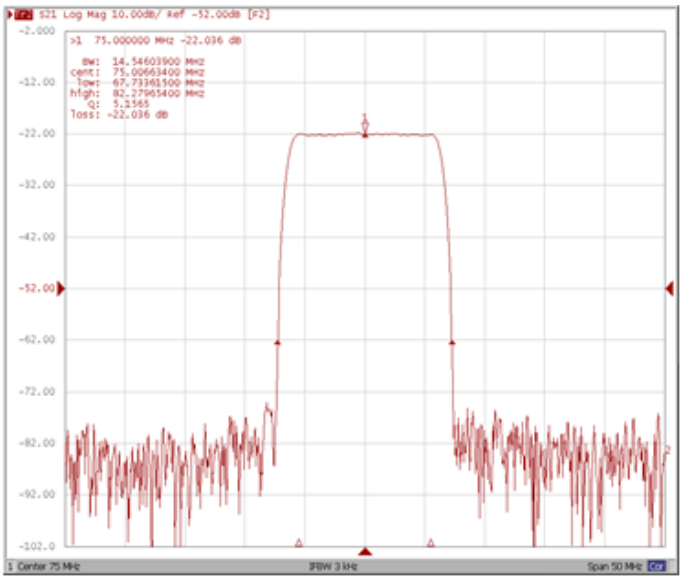
Frequency Characteristics

Frequency Response

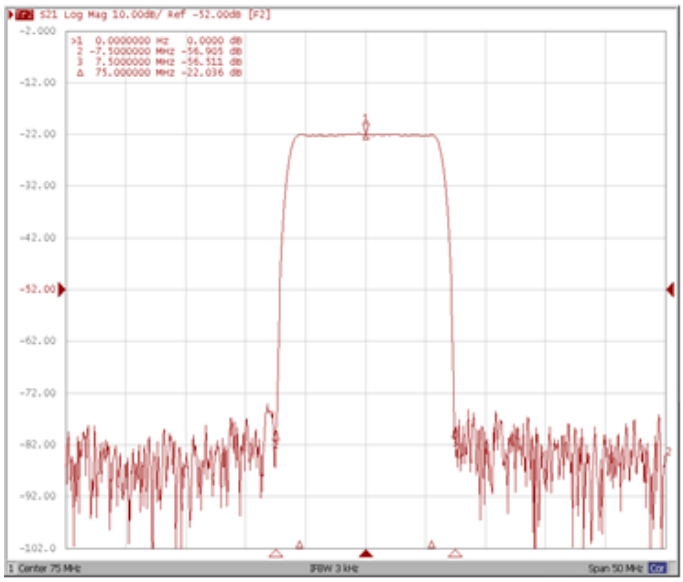
Bandwidth at –1.0 dB



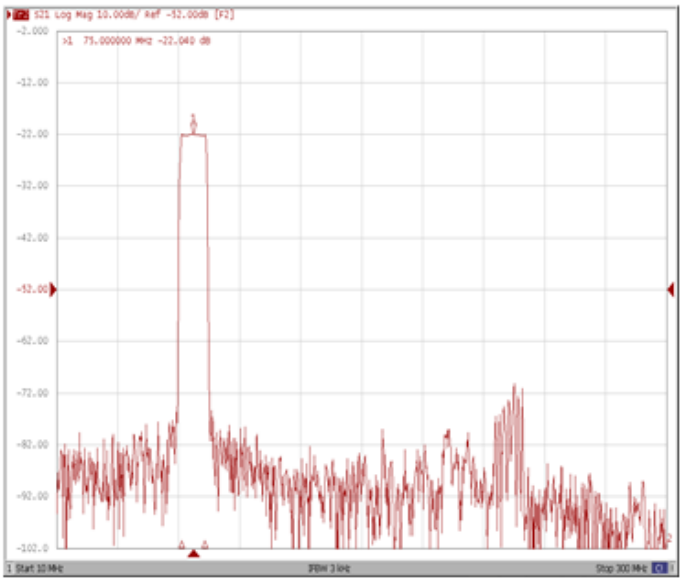
Bandwidth at –40.0 dB



Attenuation Fo±7.5MHz

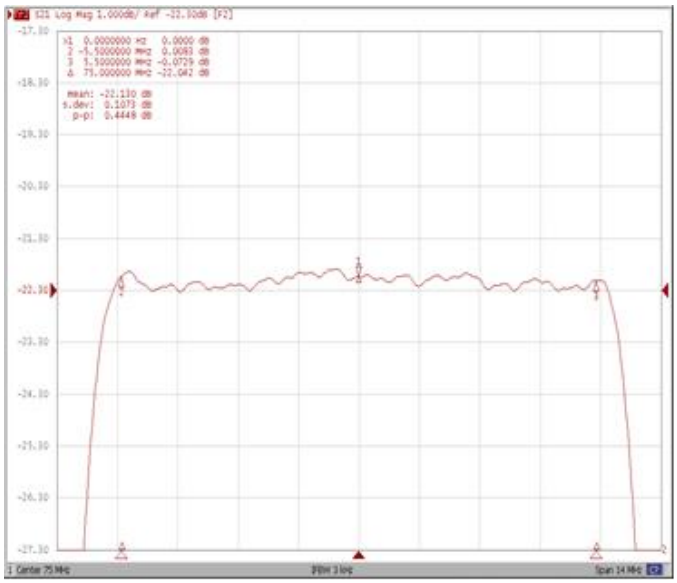


Wide-Band

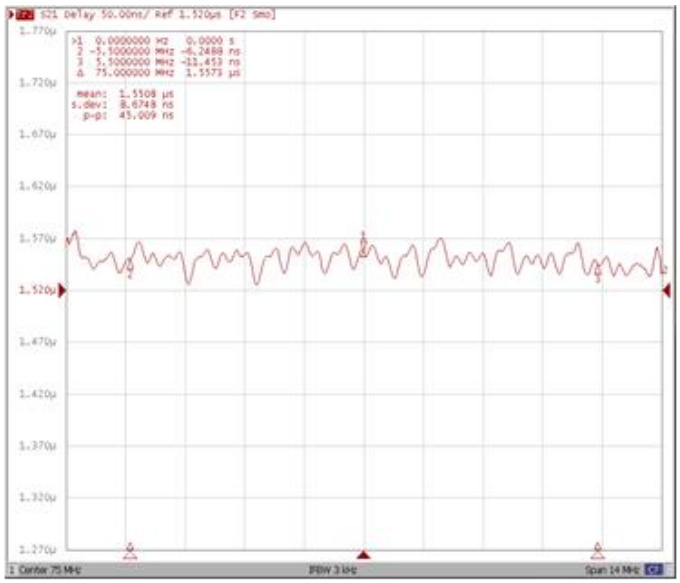


Frequency Response

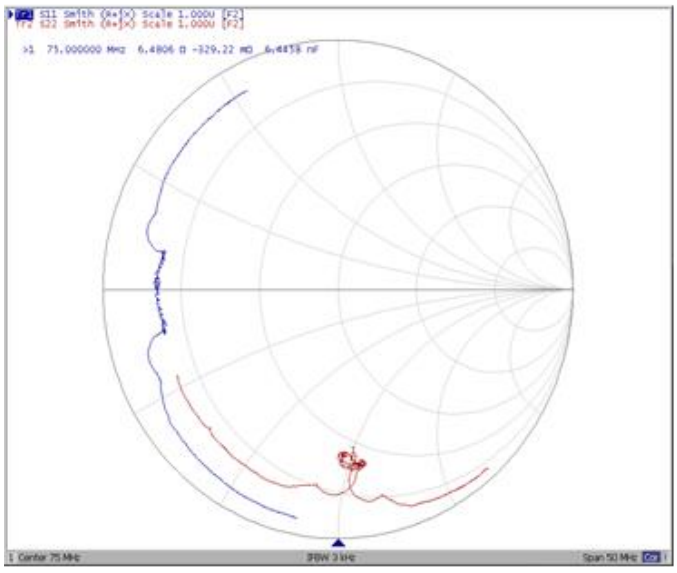
Ripple Variation Fo±5.5MHz



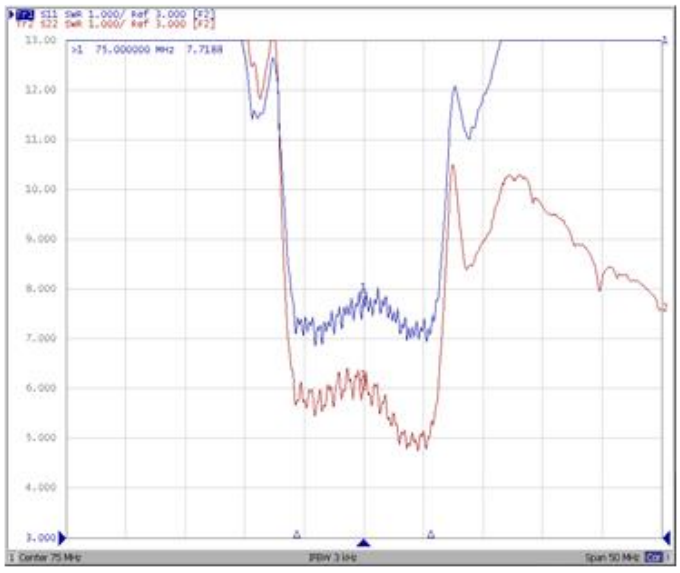
Group Delay Variation Fo±5.5MHz



Smith Chart



SWR



Transko Electronics, Inc. 3981 E. Miraloma Ave., Anaheim CA 92806 USA
Tel: 714-528-8000 Fax: 714-528-8017 Website: www.transko.com E-mail: sales@transko.com