

- 62.50 MHz IF SAW Filter / 16.20 MHz Bandwidth
- Revision 0: 20 Aug. 2008

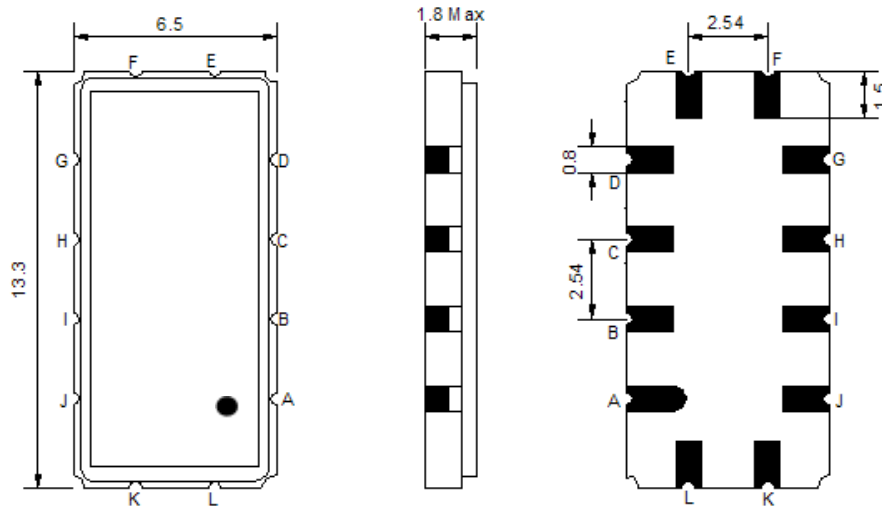
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-20	-	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	mm ²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	62.5	-
Insertion Loss at Fo	dB	-	13.0	15.0
Temperature Coefficient	ppm/°C	-	-86	-
Amplitude Ripple within fo ±7.4 MHz	dB _{p-p}	-	0.30	0.80
Group Delay Variation within fo ±7.4 MHz	nsec	-	30	60
Absolute Delay at Fo	µsec	-	1.04	-
Bandwidth at -1.0 dB	MHz	15.80	16.20	-
Bandwidth at -3.0 dB	MHz	-	16.98	-
Bandwidth at -40.0 dB	MHz	-	20.10	20.60
Relative Attenuation:				
Lower Sidelobe	dB	45	48	-
Upper Sidelobe	dB	45	48	-

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.

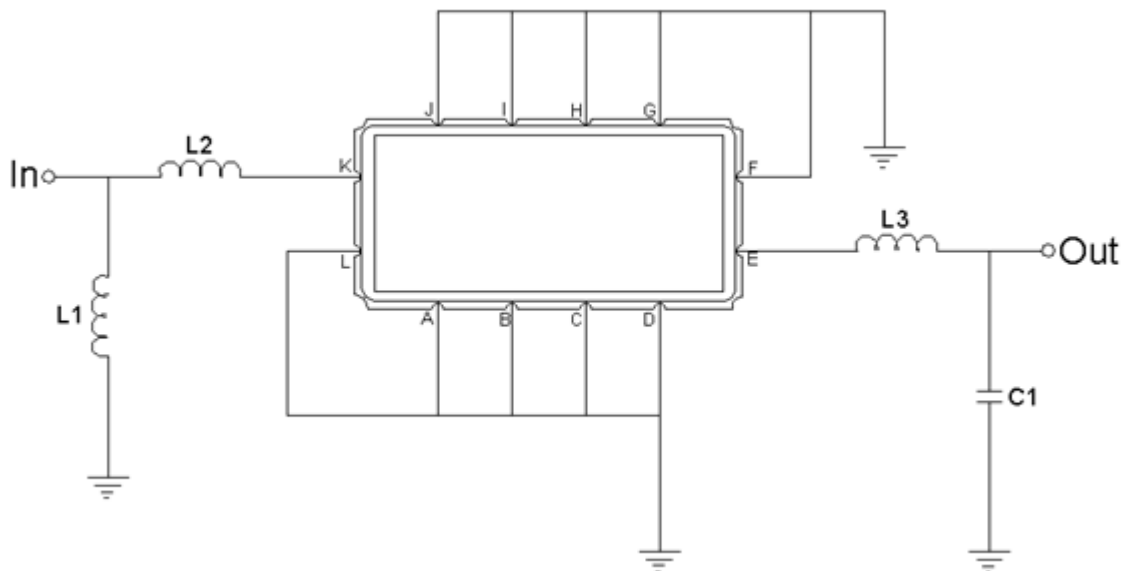
Package Dimensions



- ① **TRANSKO:** Brand
- ② **TL06216B:** 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



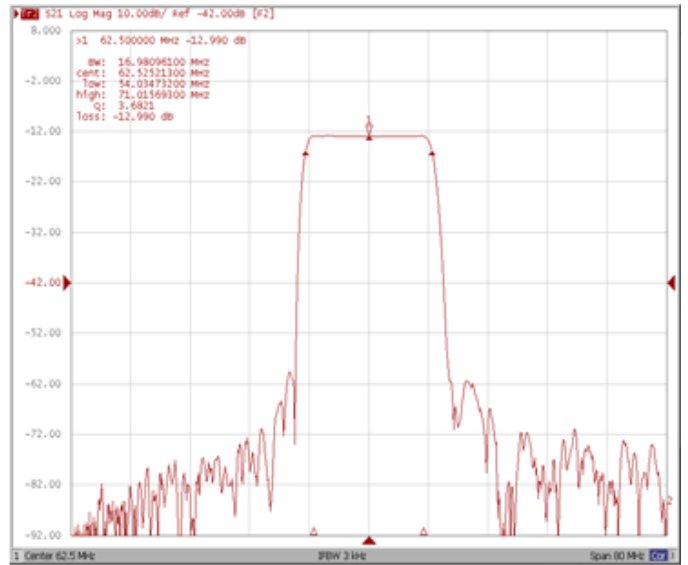
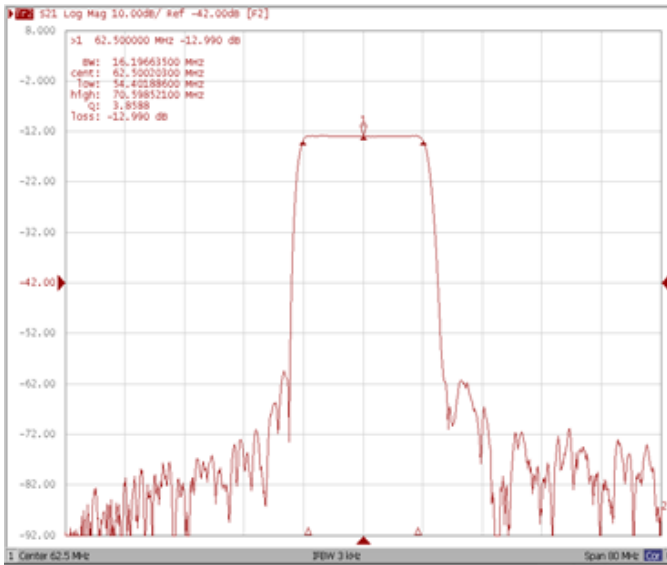
Test Fixture & Values	
Input	L1=120nH , L2=8.2nH
Output	L3=150nH , C1=20pF
Source/Load Impedance	50 Ω

Frequency Characteristics

Frequency Response

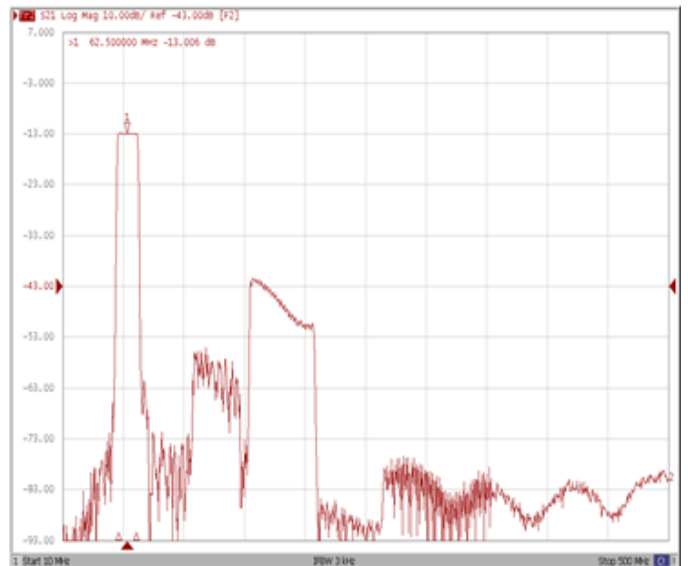
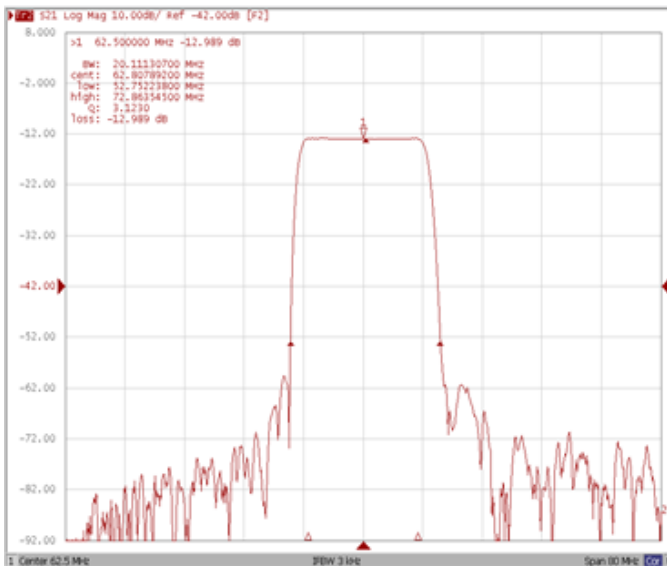
Bandwidth at -1.0 dB

Bandwidth at -3.0 dB



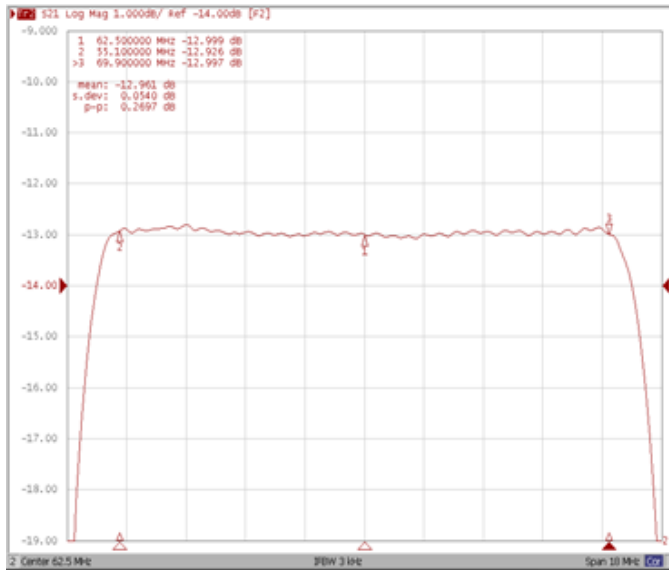
Bandwidth at -40.0 dB

Wide-Band

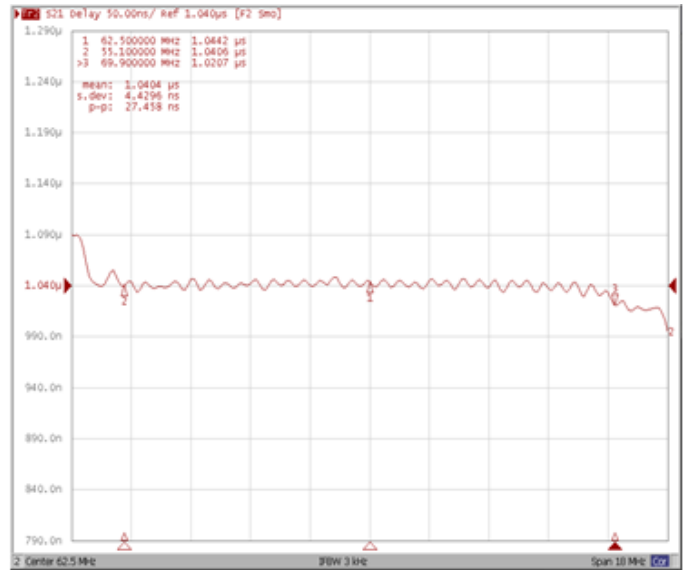


Frequency Response

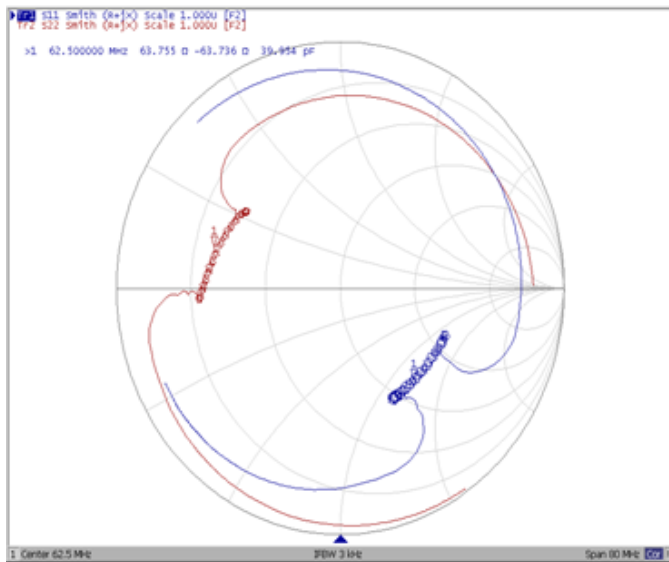
Ripple Variation Fo±7.4MHz



Group Delay Variation Fo±7.4MHz



Smith Chart



SWR

