

- 65.8 MHz IF SAW Filter / 6.60 MHz Bandwidth
- Revision 0: 14 Jul. 2008

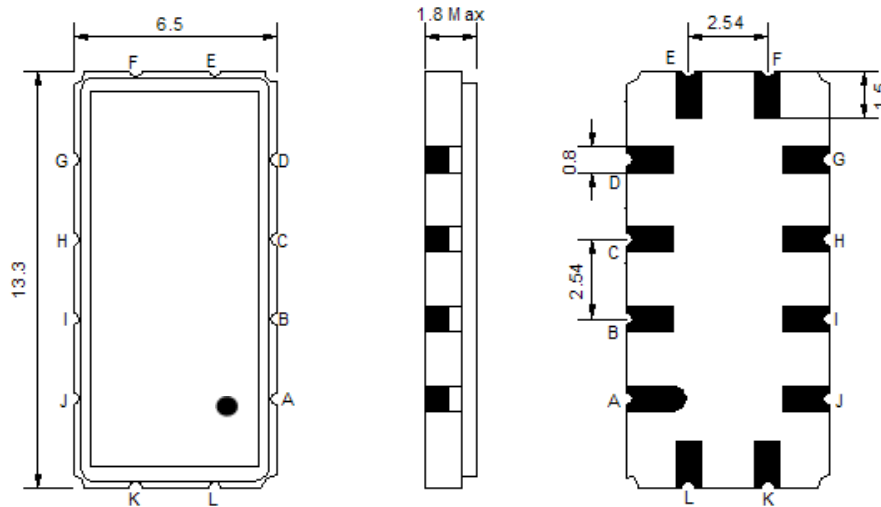
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	15	25	35
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	V			
Length x Width	mm <sup>2</sup>	-	13.3 x 6.5	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	65.7	65.8	65.9
Insertion Loss at Fo	dB	-	16.5	18.0
Group Delay Variation Fo±3.0MHz	nsec	-	50	100
Absolute Delay at Fo	usec	-	1.68	-
Passband Ripple Variation Fo±3.0MHz	dB	-	0.30	0.8
Bandwidth at -1dB	MHz	6.40	6.60	-
Bandwidth at -3dB	MHz	-	7.00	-
Bandwidth at -20dB	MHz	-	8.10	-
Bandwidth at -40dB	MHz	-	9.10	9.50
Relative Attenuation				
70.44MHz ~ 70.94MHz	dB	20	35	
Temperature Coefficient	ppm/°C	-	-18	-

**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.

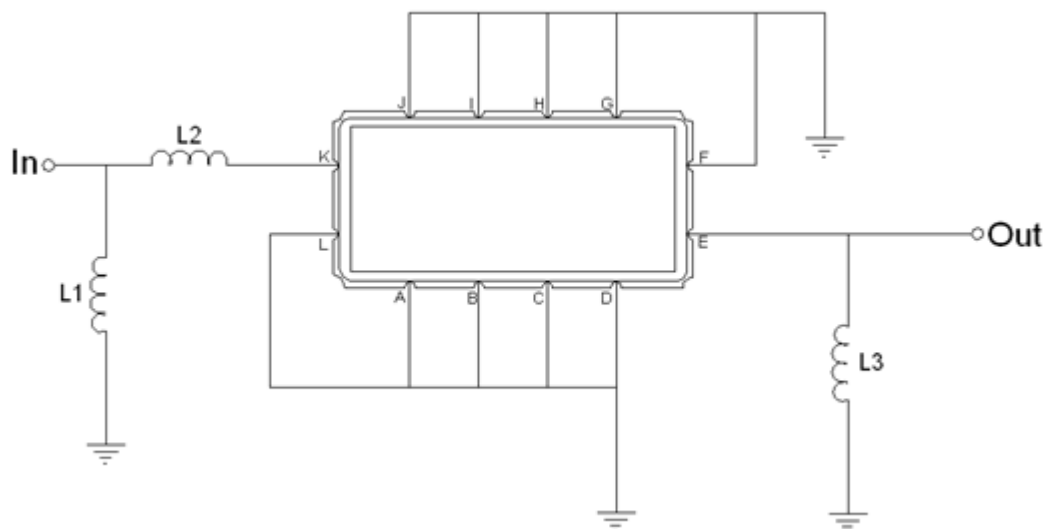
## Package Dimensions



- ① **TRANSKO:** Brand
- ② **TL06506A:** 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



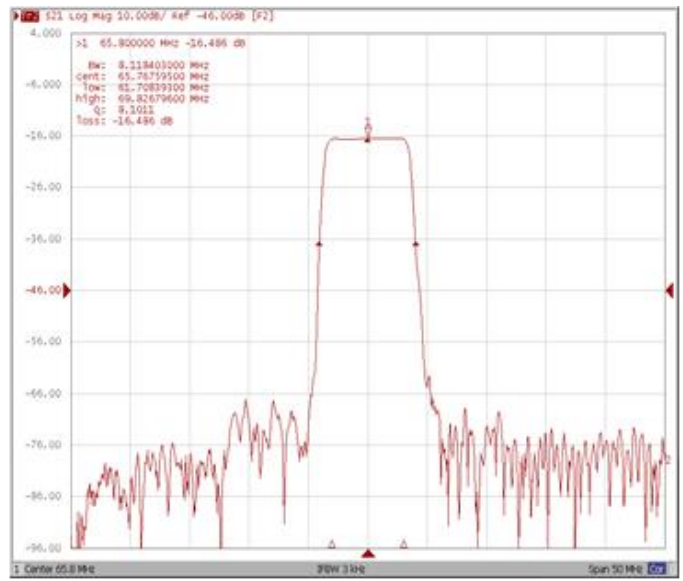
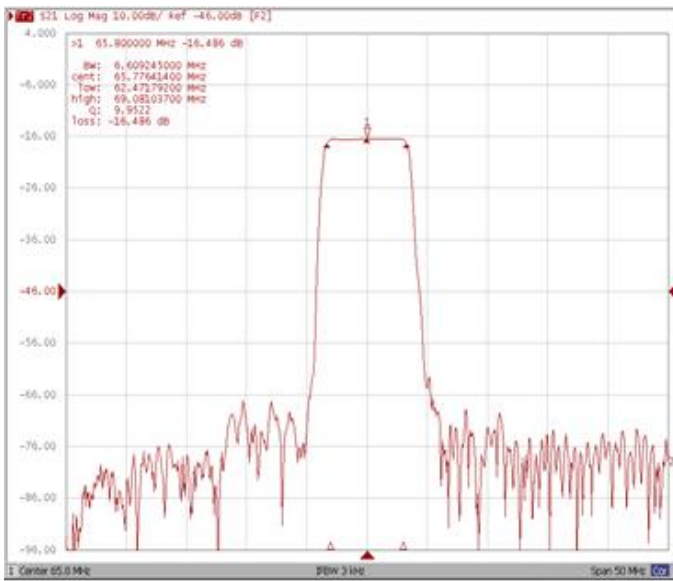
Test Fixture & Values	
Input	L1 = 39 nH , L2 = 6.8 nH
Output	L3 = 47 nH
Source/Load Impedance	50 Ω

**Frequency Characteristics**

**Frequency Response**

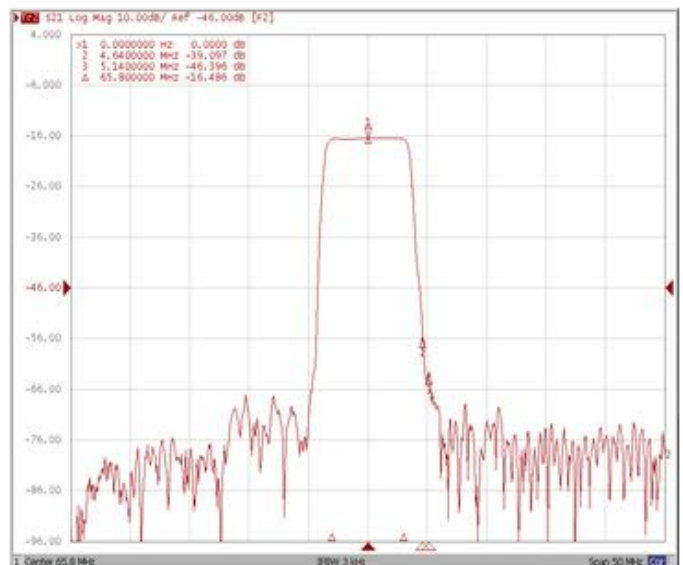
**Bandwidth at -1.0 dB**

**Bandwidth at -20.0 dB**



**Bandwidth at -40.0 dB**

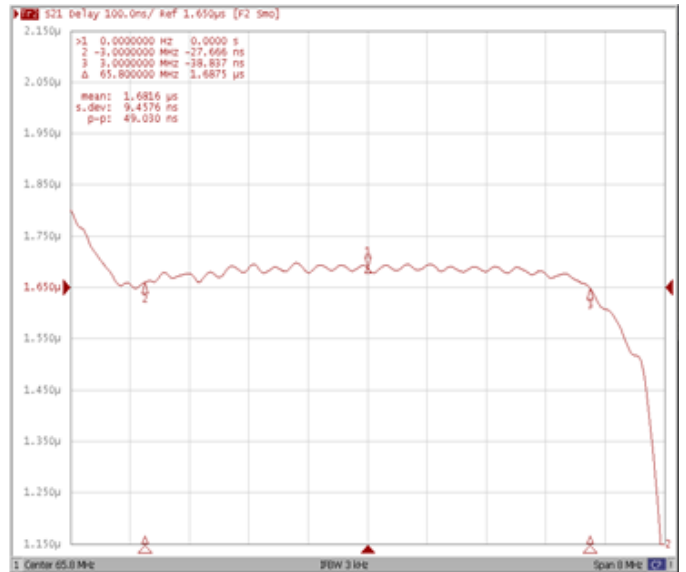
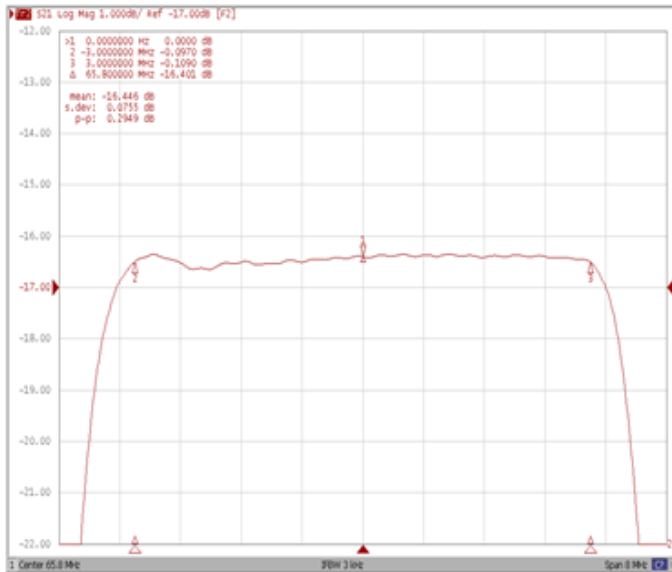
**Attenuation (70.44 ~70.94MHz)**



## Frequency Response

**Ripple Variation Fo±3.0MHz**

**Group Delay Variation Fo±3.0MHz**



**Smith Chart**

**SWR**

