- **70.00 MHz IF SAW Filter / 5.6 MHz Bandwidth**
- **Revision 2: 11 Jun. 2012**

Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	**UNIT**	**MINIMUM**	**TYPICAL**	**MAXIMUM**
Operating Temperature Range	°C	-40	-	85
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	15
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	69.8	70.0	70.2
Insertion Loss at Fo	dB	-	8.2	9.0
Temperature Coefficient	ppm/°C	-	-94	-
Amplitude Ripple Variation at fo ± 2.1 MHz	dB_{p-p}	-	0.7	1.0
Group Delay Variation at fo ±2.0 MHz	nsec	-	110	150
Absolute Delay at Fo	µsec	-	0.85	-
IN/OUT Return Loss at Fo	dB	-	-	-
Bandwidth at –1.0 dB	MHz	5.2	5.6	-
Bandwidth at –3.0 dB	MHz	6.0	6.5	-
Bandwidth at –40.0 dB	MHz	-	9.5	10.0
Relative Attenuation:				
10 ~ 64.5 MHz	dB	40	45	-
75.5 ~ 140 MHz	dB	40	43	-

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.

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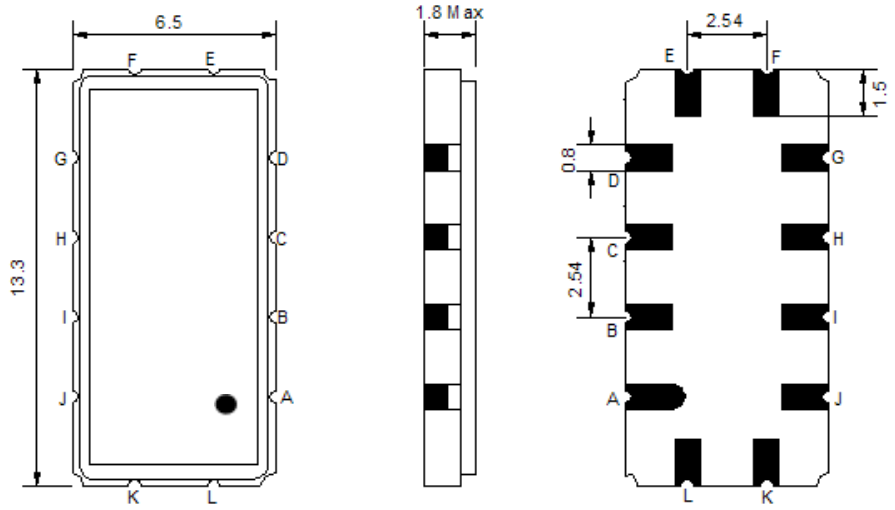
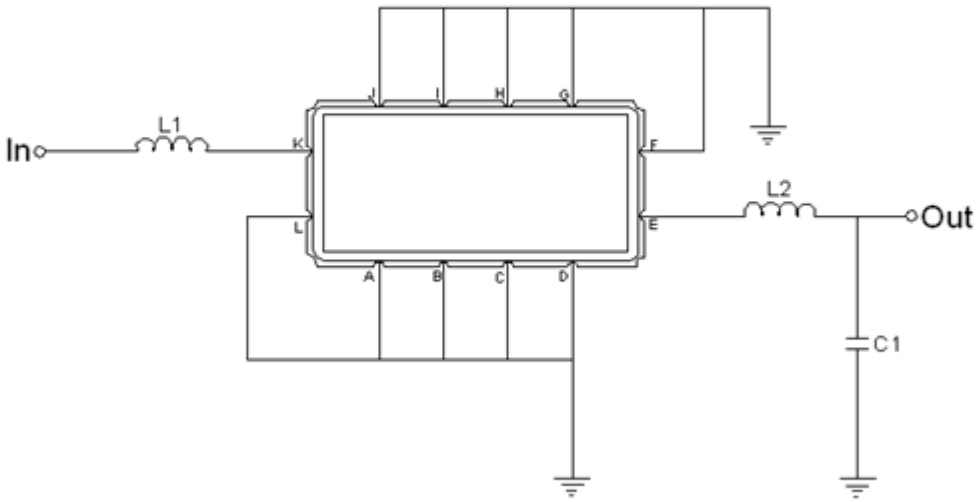
Package Dimensions



① **TRANSKO: Brand**
② **TL7006: 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

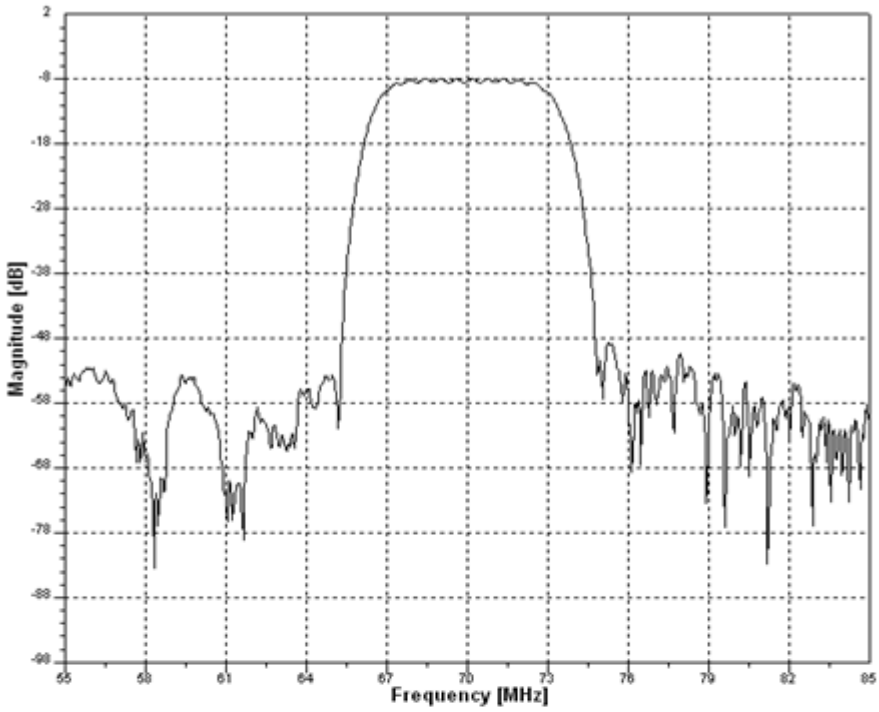
Testing Environment

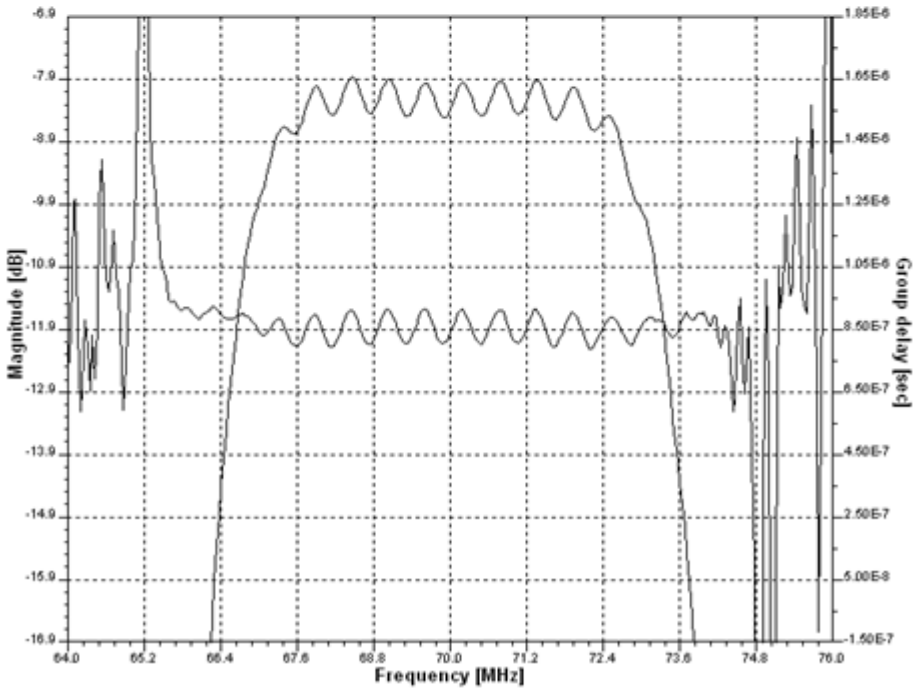


Test Fixture & Values	
Input	L1=220nH Q >40
Output	L2=150nH Q.>40 , C1=5pF
Source/Load Impedance	50 Ω

Frequency Characteristics

Frequency Response





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