

- 48.00 MHz IF SAW Filter / 3.40 MHz Bandwidth
- Revision 0: 06 Mar. 2008

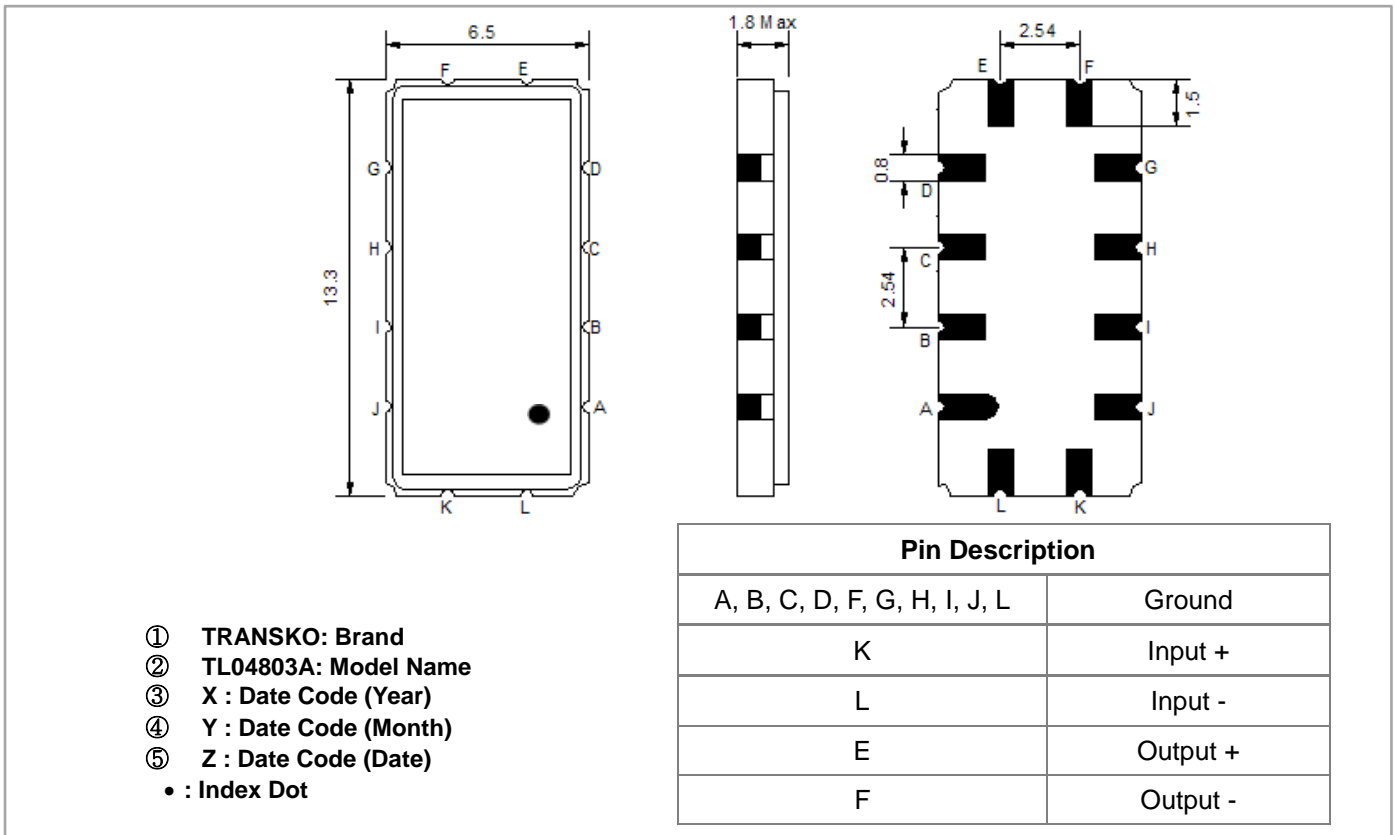
Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operating Temperature Range	°C	-40	25	85
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (balance ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (balance ended) ⁽¹⁾	Ω	-	2000	-
Package type & size	V			
Length x Width	mm ²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

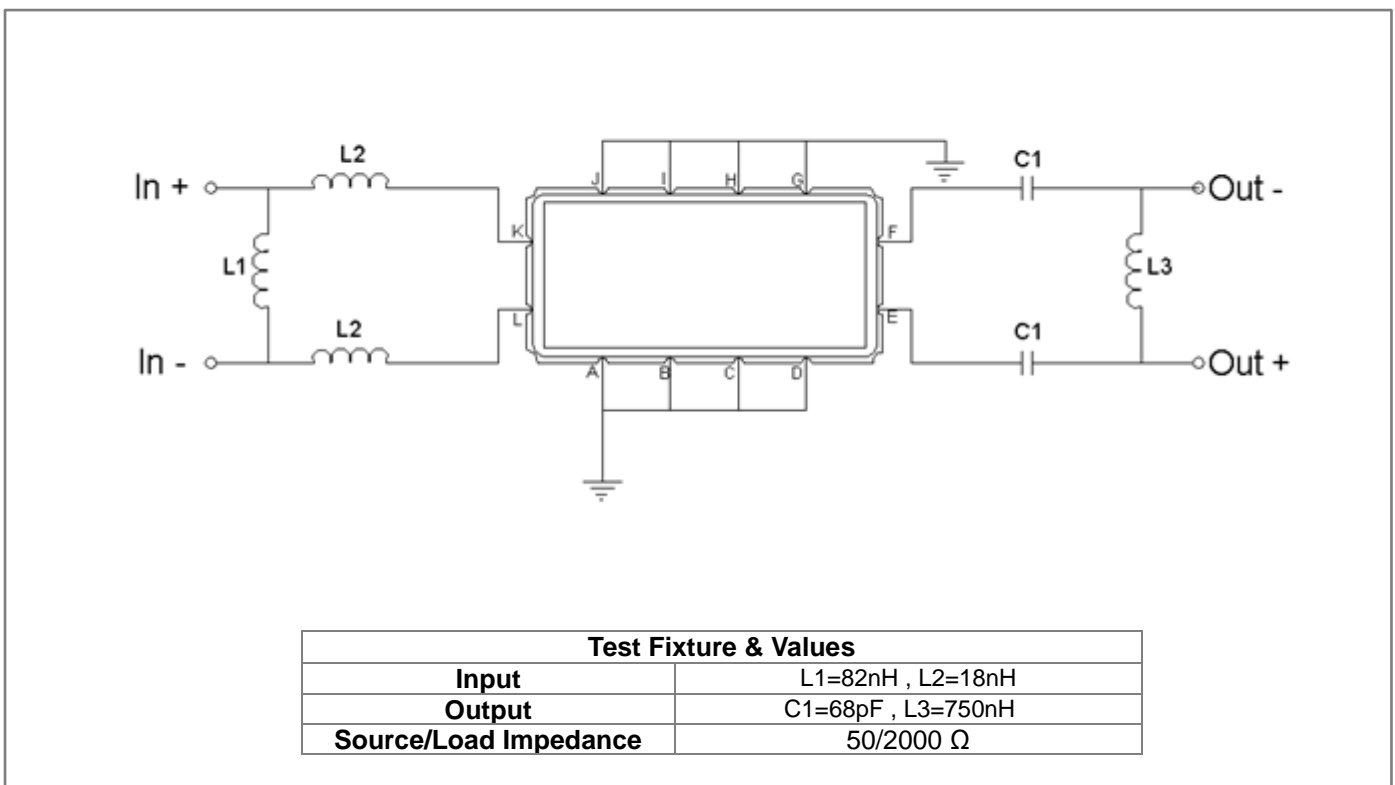
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	48.0	-
Insertion Loss at Fo	dB	-	12.5	16.0
Temperature Coefficient	ppm/°C	-	-18	-
Amplitude Ripple within fo ±1.5 MHz	dB _{p-p}	-	0.6	1.0
Group Delay Variation within fo ±1.56 MHz	nsec	-	135	220
Absolute Delay at Fo	µsec	-	1.62	-
Bandwidth at -1.0 dB	MHz	3.125	3.40	-
Bandwidth at -3.0 dB	MHz	3.50	3.90	-
Relative Attenuation (ref: Max IL)				
Fc ±1.54 MHz	dB	-	2.6	-
Fc ±2.72 MHz	dB	30	34	-
Fc ±3.50 MHz	dB	40	45	-
Fc ±5.00 MHz	dB	45	47	-

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

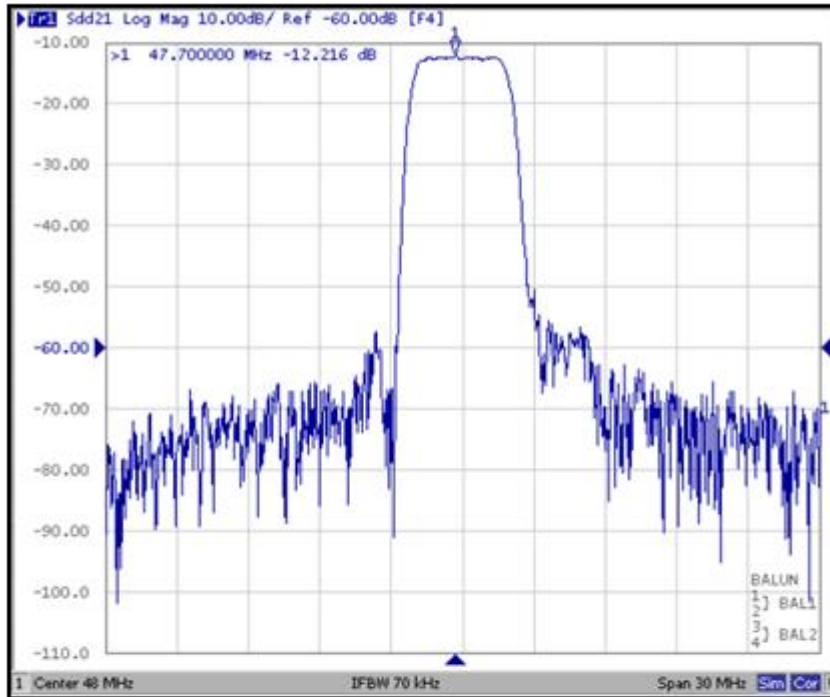


Testing Environment



Frequency Characteristics

Frequency Response



Pass Band Response and Group Delay Variation

