

- 48.00 MHz IF SAW Filter / 10.10 MHz Bandwidth
- Revision 0: 06 Mar. 2008

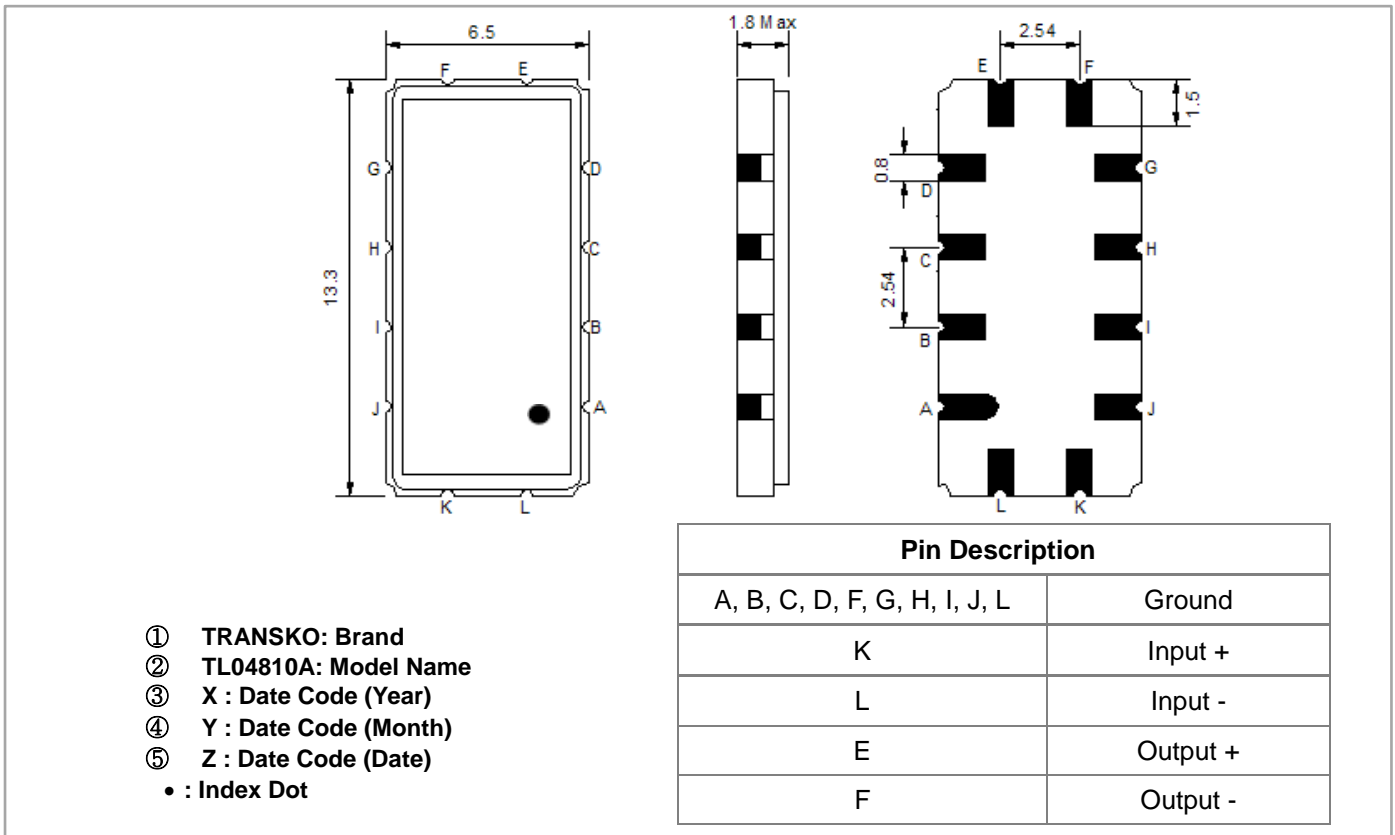
Electrical Characteristics

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 (balanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (balanced) ⁽¹⁾	Ω	-	2000	-
Package type & size	V			
Length x Width	mm ²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

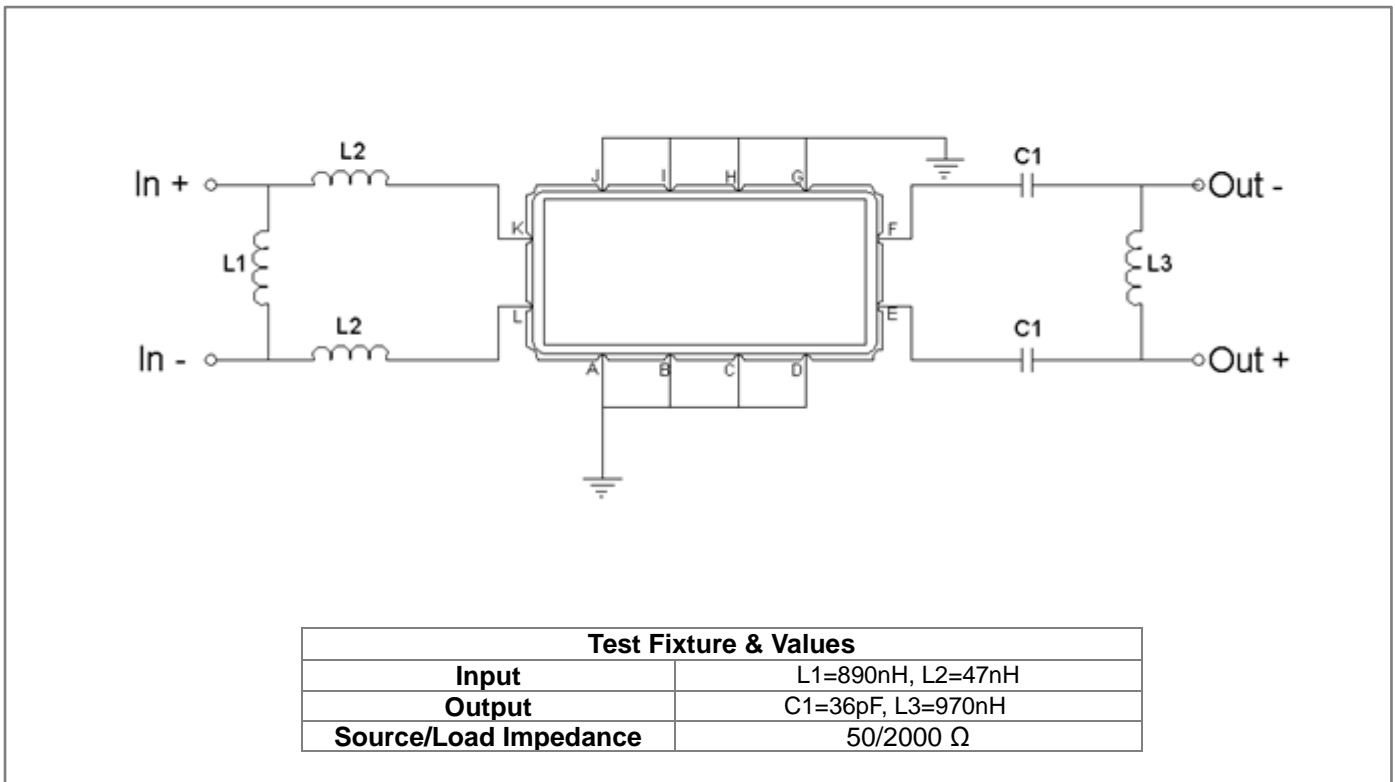
ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	48.0	-
Insertion Loss at Fo	dB	-	13.5	16.0
Temperature Coefficient	ppm/°C	-	-86	-
Amplitude Ripple within fo ±4.25 MHz	dB _{p-p}	-	0.6	1.2
Group Delay Variation within fo ±4.5 MHz	nsec	-	120	220
Absolute Delay at Fo	µsec	-	1.55	-
Bandwidth at -1.0 dB	MHz	9.00	10.10	-
Bandwidth at -3.0 dB	MHz	-	10.50	-
Relative Attenuation (ref: Max IL)				
Fc ±5.5 MHz	dB	-	5.5	-
Fc ±7.75 MHz	dB	35	43	-
Fc ±10.0 MHz	dB	40	53	-
Fc +15.0 ~ 25.0 MHz	dB	40	52	-
Fc -15.0 ~ 25.0 MHz	dB	40	68	-

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

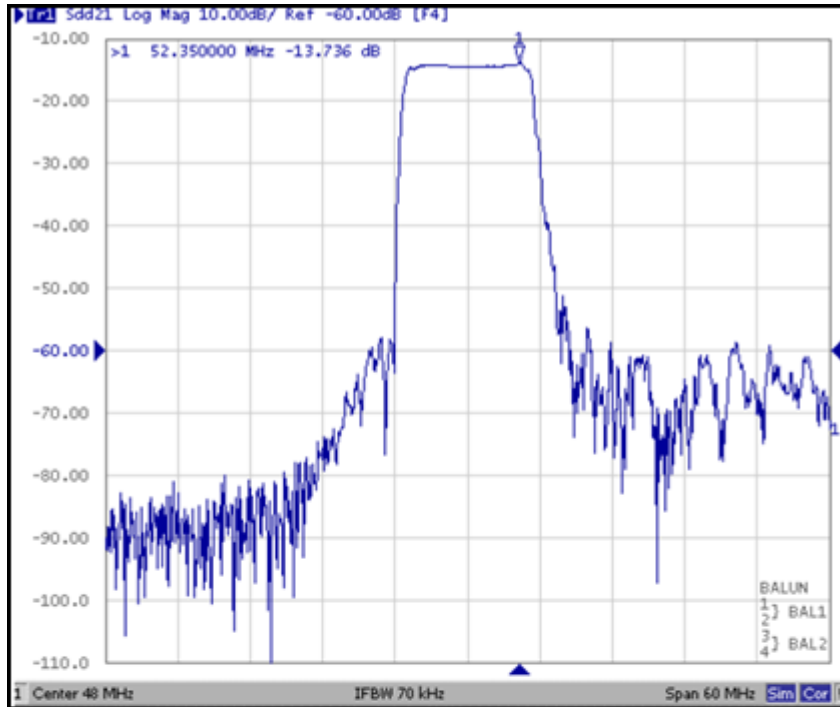


Testing Environment



Frequency Characteristics

Frequency Response



Pass Band Response and Group Delay Variation

