

- 135.00 MHz IF SAW Filter / 7.80 MHz Bandwidth
- Revision 2: 1 Oct. 2007

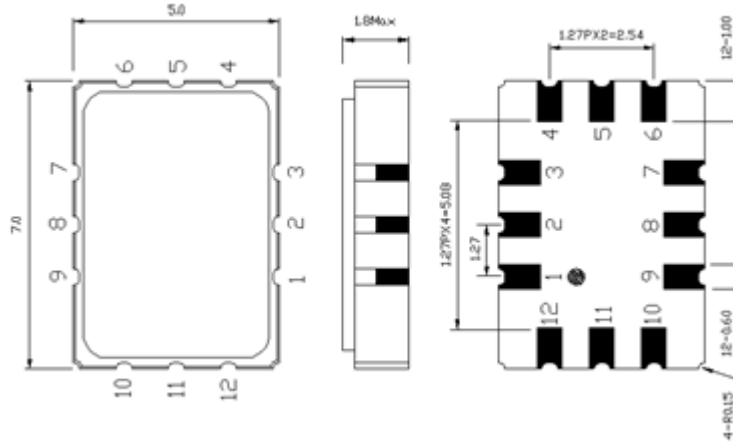
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-40	-	85
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	S1			
Length x Width	mm <sup>2</sup>	-	7.0 x 5.0	-
Height	mm	-	-	1.8

ELECTRICAL SPECIFICATION				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Center Frequency (Fo)	MHz	-	135.0	-
Insertion Loss at Fo	dB	-	17.0	19.0
Amplitude Ripple Variation	dB <sub>p-p</sub>	-	0.5	1.0
Group Delay Variation at Fo ± 3.5 MHz	nsec	-	45	90
Absolute Delay at Fo	µsec	-	0.76	-
Temperature Coefficient	ppm/°C	-	-23	-
Bandwidth at -1.0 dB	MHz	7.5	7.8	-
Bandwidth at -3.0 dB	MHz	8.4	8.6	-
Bandwidth at -40.0 dB	MHz	-	12.5	12.8
Relative Attenuation:				
Lower Sidelobe	dB	40	45	-
Upper Sidelobe	dB	40	45	-

**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.

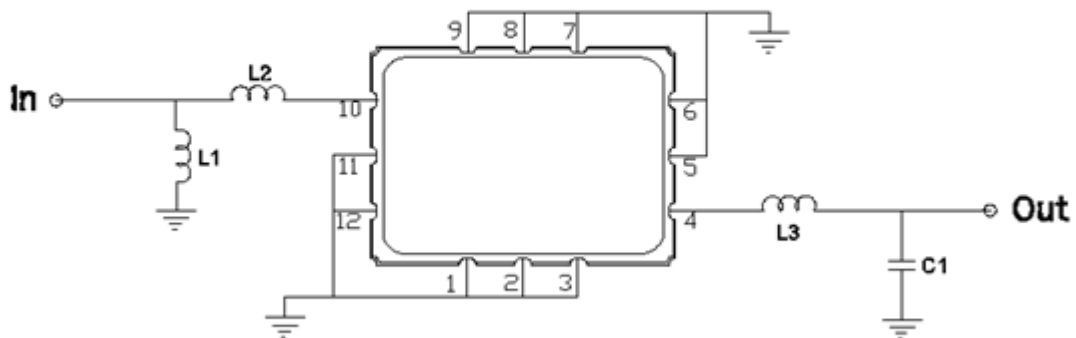
## Package Dimensions



**Pin Description**

Pin Description	
1, 2, 3, 5, 6, 7, 8, 9, 11, 12	Ground
10	Input
4	Output

## Testing Environment



**Test Fixture & Values**

<b>Input</b>	L1=39 nH , L2=27 nH
<b>Output</b>	L3=150 nH , C1=20 pF
<b>Source/Load Impedance</b>	50 $\Omega$

## Frequency Characteristics

### Frequency Response

