

- 70.00 MHz IF SAW Filter / 5.6 MHz Bandwidth
- Revision 1: 29 Oct. 2007

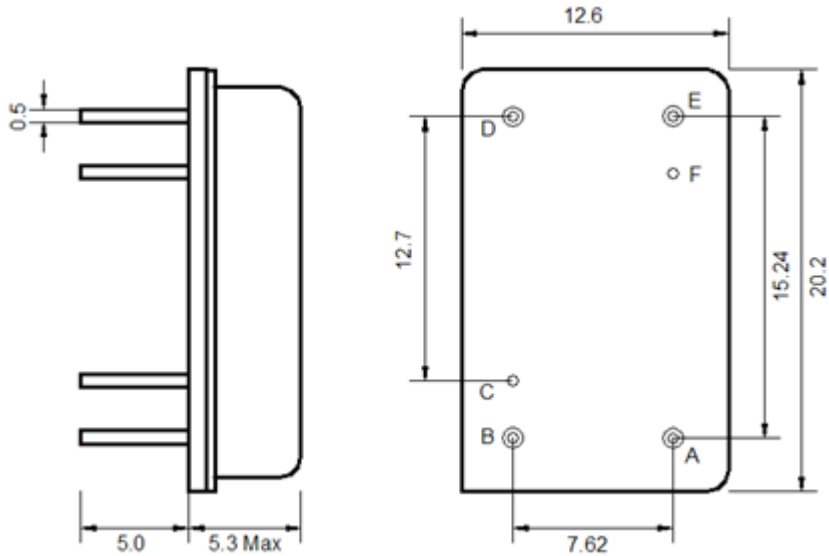
## Electrical Characteristics

MAXIMUM RATING				
PARAMETERS DESCRIPTION	UNIT	MINIMUM	TYPICAL	MAXIMUM
Operation Temperature Range	°C	-30	-	80
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	D			
Length x Width	mm <sup>2</sup>	-	20.2 x 12.6	-
Height	mm	-	-	5.3

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 <sub>p-p</sub>	-	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:				
from 10 to 64.5 MHz	dB	40	45	-
from 75.5 to 140 MHz	dB	40	43	-

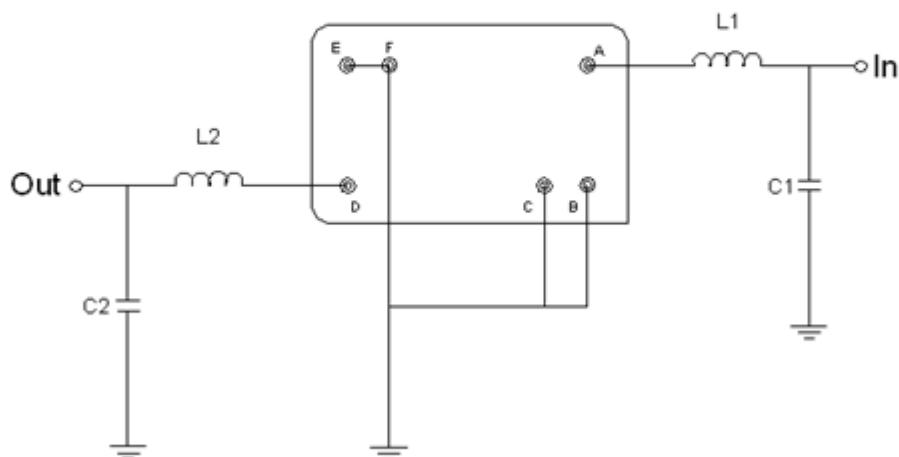
**Notes :** (1) With Matching Network (Ref. Testing Environment Circuit as shown below).  
Those impedances could be modified with different impedance values and/or structures, if necessary.

## Package Dimensions



Pin Description	
B, C, E, F	Ground
A	Input
D	Output

## Testing Environment



Test Fixture & Values	
Input	L1=TBD Q >40, C1=TBD
Output	L2=TBD Q >40, C2=TBD
Source/Load Impedance	50 $\Omega$

**Frequency Characteristics**

**Frequency Response**

