



Total Solution Provider in Saw Device

SL9515V

95.0MHz IF SAW Filter
14.2MHz Bandwidth
Revision 1: 29. Oct. 2007



- Electrical Characteristics
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 - Frequency Characteristics
-

SAWNICS Inc.

460 Cheonheung-ri, Seonggeo-eup, Cheonan-si, Chungcheongnam-do, 330-836 / Korea.
Tel: +82 41 550 9372 / Fax: +82 41 550 9399 / www.sawnics.com

□ Electrical Characteristics

Maximum Ratings

Parameters Description	Unit	Minimum	Typical	Maximum
Operating 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) ⁽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

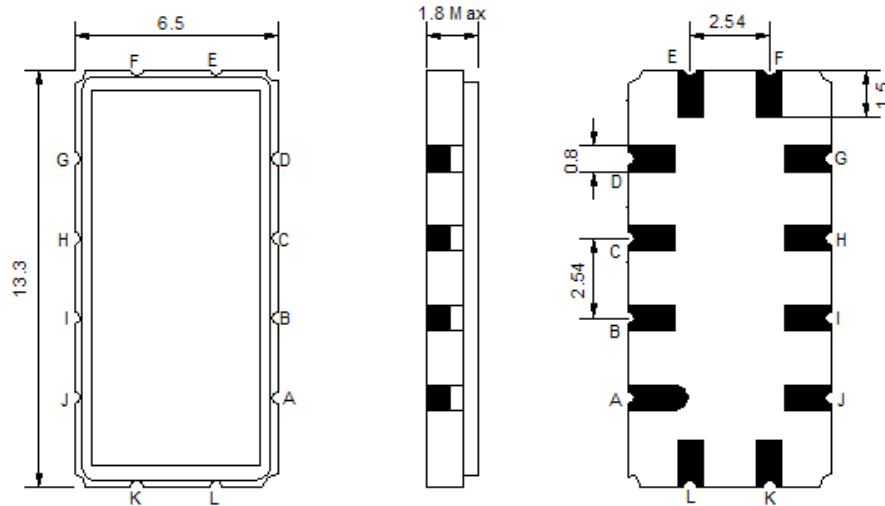
Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	95.0	-
Insertion Loss at Fo	dB	-	12.5	15.0
Temperature Coefficient	ppm/°C	-	-86	-
Amplitude Ripple Variation	dBp-p	-	0.50	1.0
Group Delay Variation	nsec	-	50	120
Absolute Delay at Fo	µsec	-	1.15	-
Bandwidth at -1.0 dB	MHz	-	14.0	-
Bandwidth at -3.0 dB	MHz	14.2	14.5	-
Bandwidth at -5.0 dB	MHz	-	14.9	15.2
Bandwidth at -30.0 dB	MHz	-	16.9	17.5
Bandwidth at -40.0 dB	MHz	-	17.2	18.5
Relative Attenuation	dB	40	48	-
Ambient Temperature	°C	-	25	-

Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).

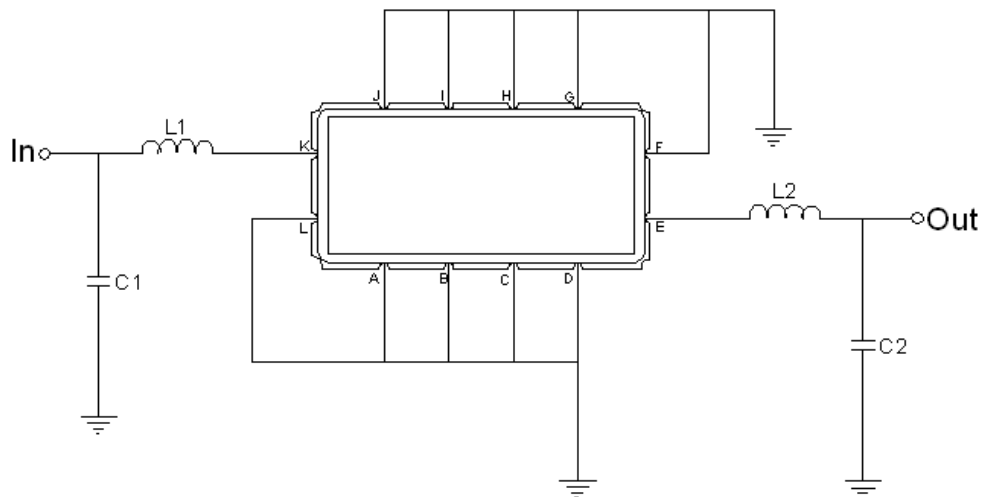
Those impedances could be modified with different impedance values and/or structures, if necessary.

Package Dimensions



Pin Description	
A, B, C, D, F, G, H, I, J, L	Ground
K	Input
E	Output

Testing Environment



Test Fixture & Values	
Input	L1=120nH , C1=51pF
Output	L2=33nH
Source/Load Impedance	50 Ω

□ Frequency Characteristics

Frequency Response

