



*Total Solution Provider in Saw Device*

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# SL7520GV

75.0 MHz IF SAW Filter  
20.6MHz Bandwidth  
Revision 1: 29. Oct. 2007



- Electrical Characteristics
  - Package Dimensions
  - Testing Environment
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**□ 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) <sup>(1)</sup>	Ω	-	50	-
Load Impedance (single ended) <sup>(1)</sup>	Ω	-	50	-
Package type & size	V			
Length x Width	mm <sup>2</sup>	-	13.3 x 6.5	-
Height	mm	-	-	1.8

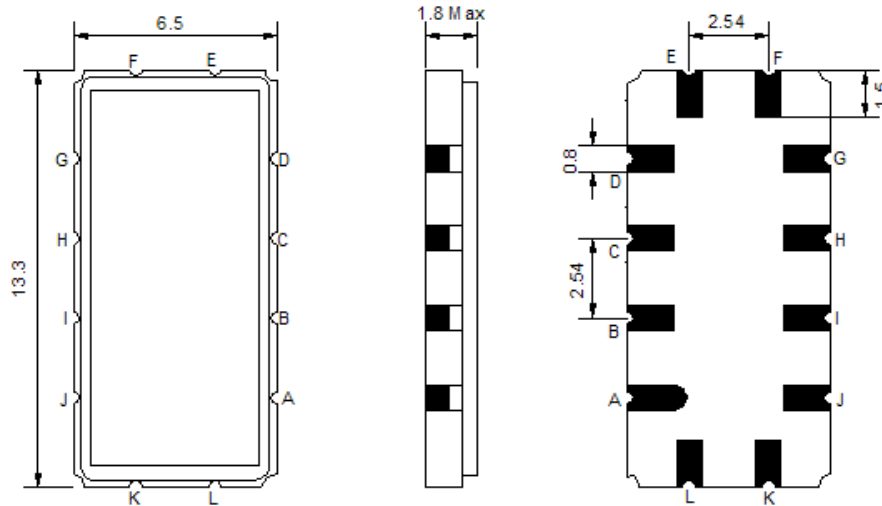
**Electrical Specification**

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	75.00	-
Insertion Loss at Fo	dB	-	13.5	15.0
Group Delay Variation at Fo±9.75MHz	nsec	-	35	50
Absolute Delay at Fo	usec	-	0.95	-
Passband Ripple Variation at Fo±9.75MHz	dB	-	0.3	1.0
Bandwidth at -1dB	MHz	20	20.6	-
Bandwidth at -3dB	MHz	21	21.4	-
Bandwidth at -40dB	MHz	-	25.1	25.5
Ultimate Rejection	dB	42	48	-

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

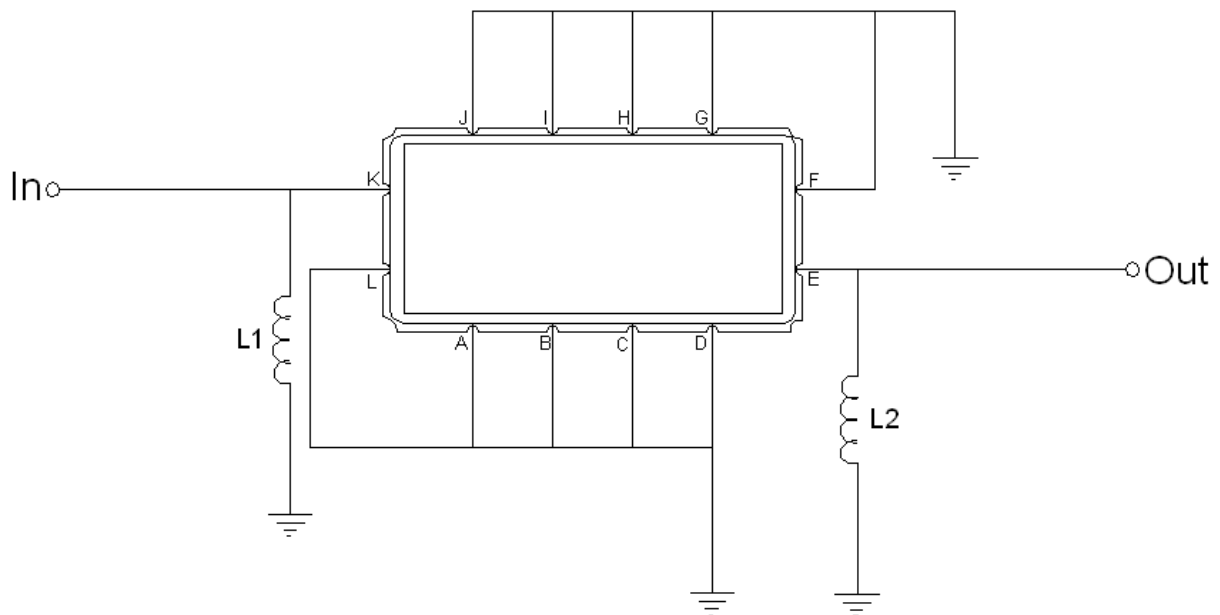
Those impedances could be modified with different impedance values and/or structures, if necessary.

**□ 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 = 82 nH
Output	L2 = 56 nH
Source/Load Impedance	50 Ω

### □ Frequency Characteristics

Frequency Response

