



Total Solution Provider in Saw Device

SL06206BV

62.5 MHz IF SAW Filter
6.55 MHz Bandwidth
Revision 0: 13. MAY. 2008



- Electrical Characteristics
 - Package Dimensions
 - Testing Environment
 - Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

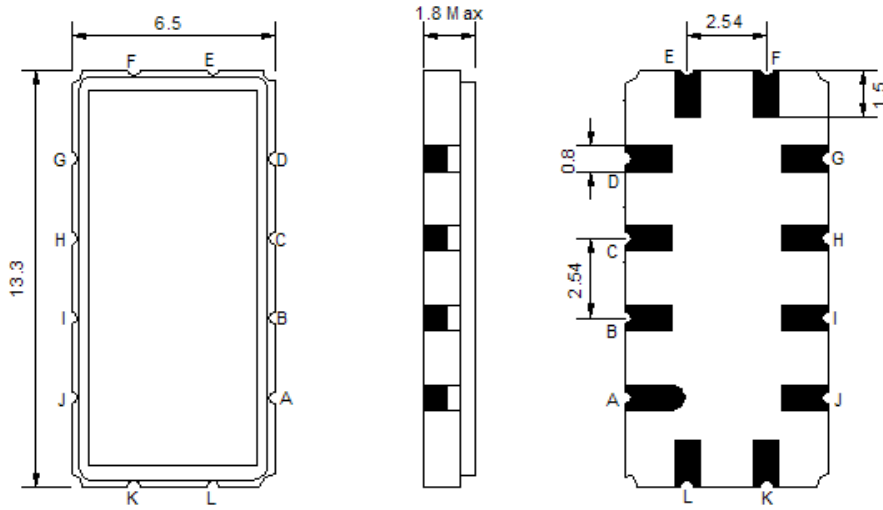
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	0		60
Storage Temperature Range	°C	-30	-	80
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	V			
Length 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	62.42	62.5	62.58
Insertion Loss at Fo	dB	-	11.8	14.0
Group Delay Variation (Fo±3MHz)	ns	-	65	130
Absolute Delay	us	-	1.25	-
Passband Ripple (Fo±3MHz)	dB	-	0.40	1.00
Bandwidth at -1dB	MHz	6.00	6.55	-
Bandwidth at -3dB	MHz	-	7.10	-
Bandwidth at -40dB	MHz	-	9.34	10.00
Ultimate Rejection	dB	40	45	-
Temperature coefficient	ppm/°C	-	-86	-

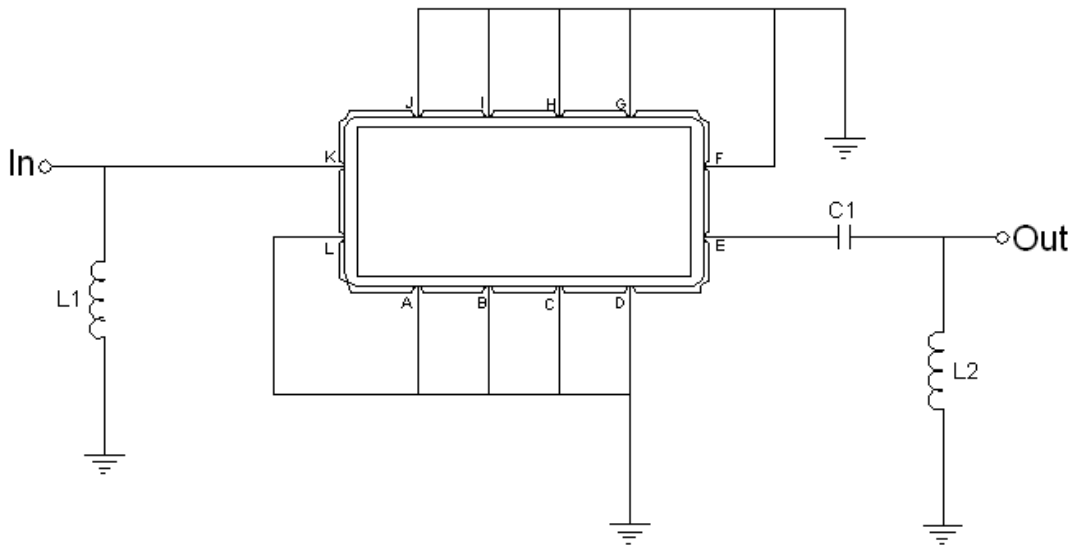
Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

□ Package Dimensions



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

□ Testing Environment

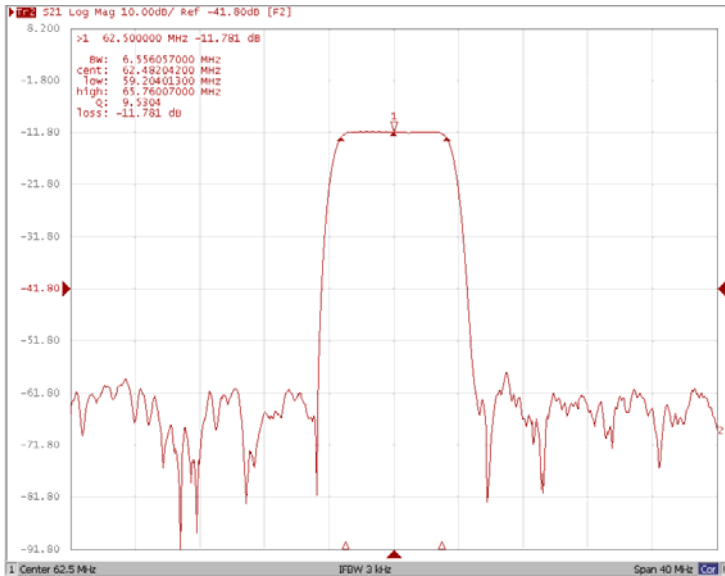


Test Fixture & Values	
Input	L1=270 nH
Output	L2=270 nH, C1=430 pF
Source/Load Impedance	50 Ω

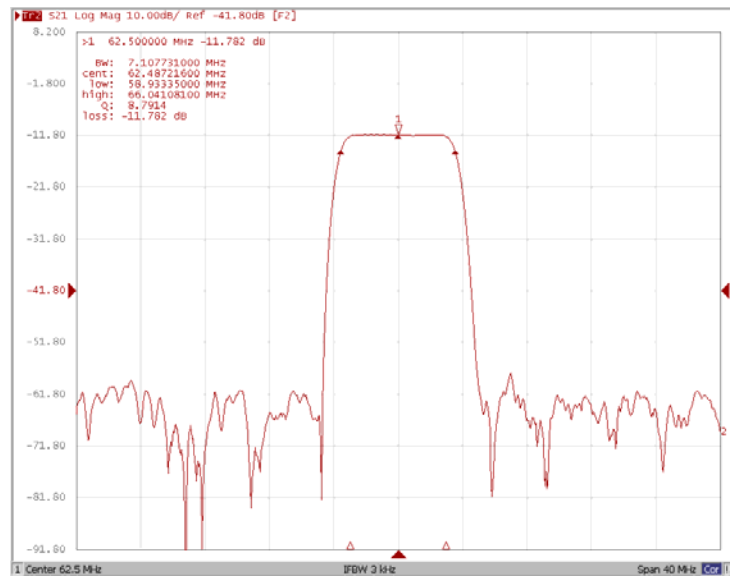
□ Frequency Characteristics

Frequency Response

Bandwidth at -1.0 dB



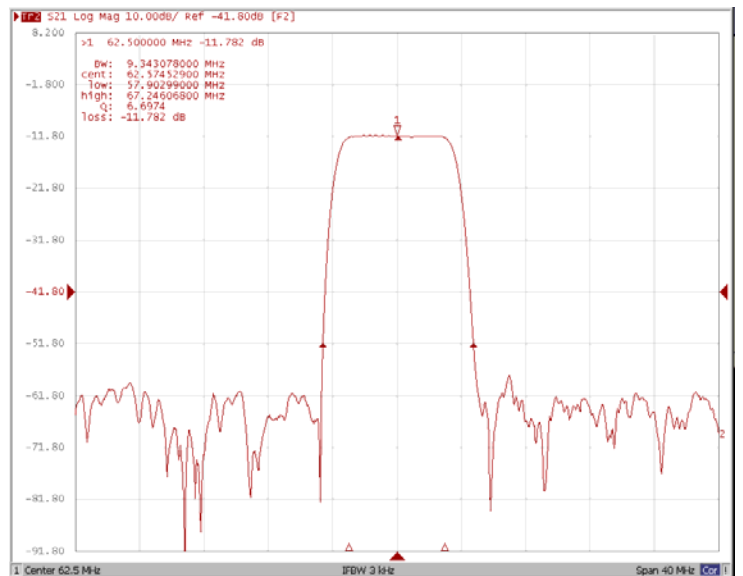
Bandwidth at -3.0 dB



Bandwidth at -20.0 dB



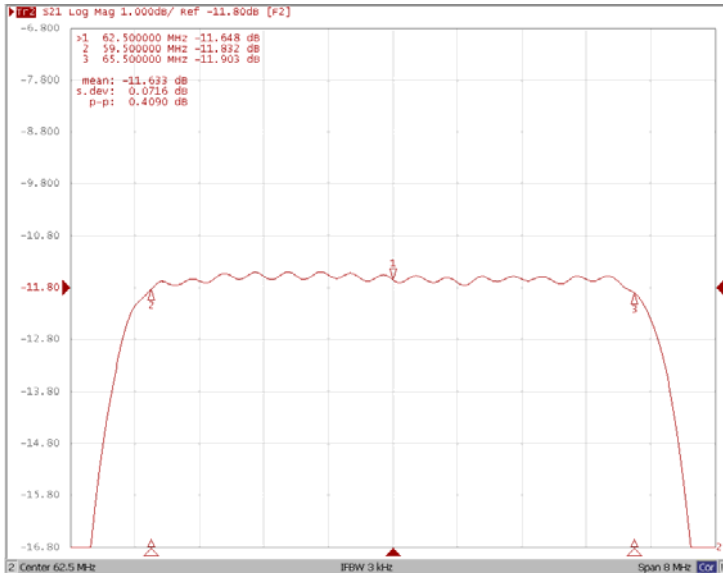
Bandwidth at -40.0 dB



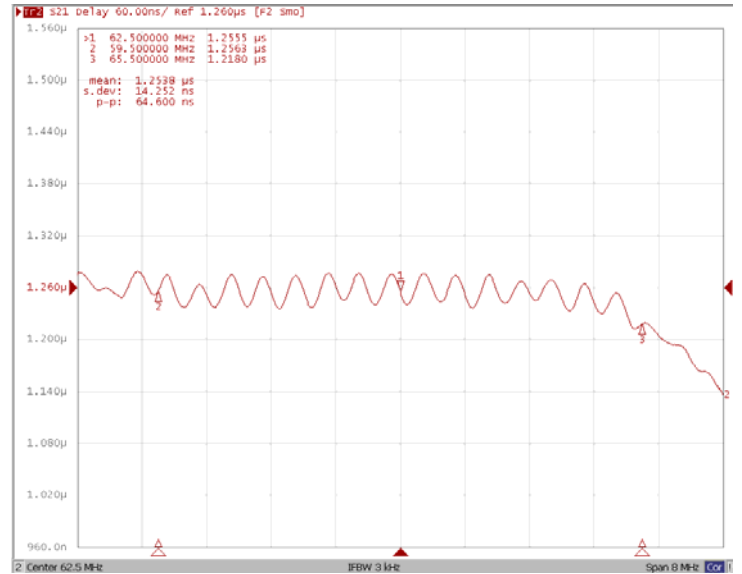
□ Frequency Characteristics

Frequency Response

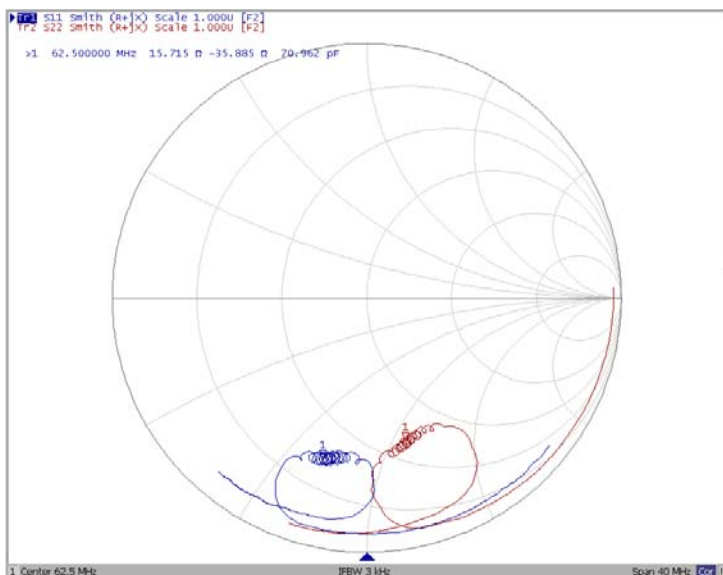
Ripple Variation $F_o \pm 3\text{MHz}$



Group Delay Variation $F_o \pm 3\text{MHz}$



Smith Chart



VSWR

