



Total Solution Provider in Saw Device

SL06602AV

66.6MHz IF SAW Filter
2.88MHz Bandwidth
Revision 0 : 10. MAR. 2009



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

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□ Electrical Characteristics

Maximum Ratings

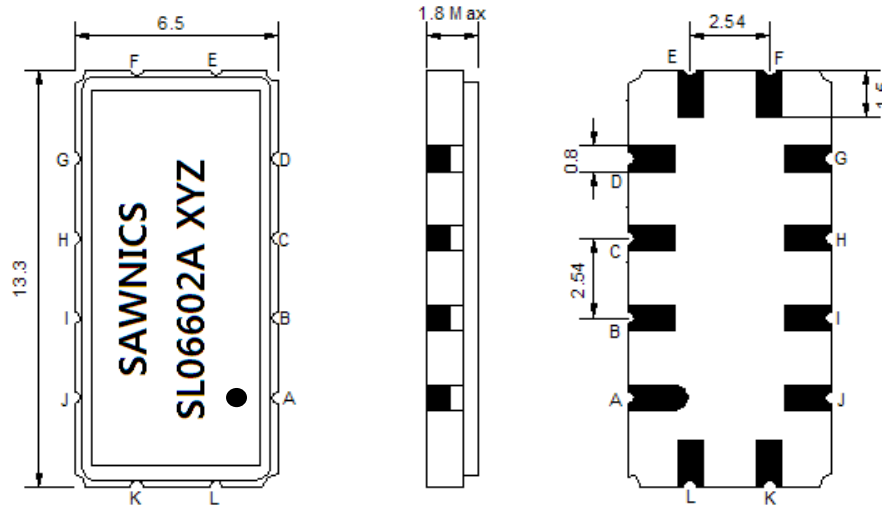
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-5	-	70
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	V			
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	66.5	66.6	66.7
Insertion Loss at Fo	dB	-	12.5	15.0
Temperature Coefficient	ppm/°C	-	-20	-
Amplitude Ripple within fo ±0.9 MHz	dB _{p-p}	-	0.1	0.5
Group Delay Variation within fo ±0.9 MHz	nsec	-	23	50
Absolute Delay at Fo	µsec	-	1.38	-
Bandwidth at -1.0 dB	MHz	1.8	2.88	-
Bandwidth at -3.0 dB	MHz	-	3.38	-
Bandwidth at -40.0 dB	MHz	-	5.36	5.6
Ultimate Attenuation:	-	40	48	-

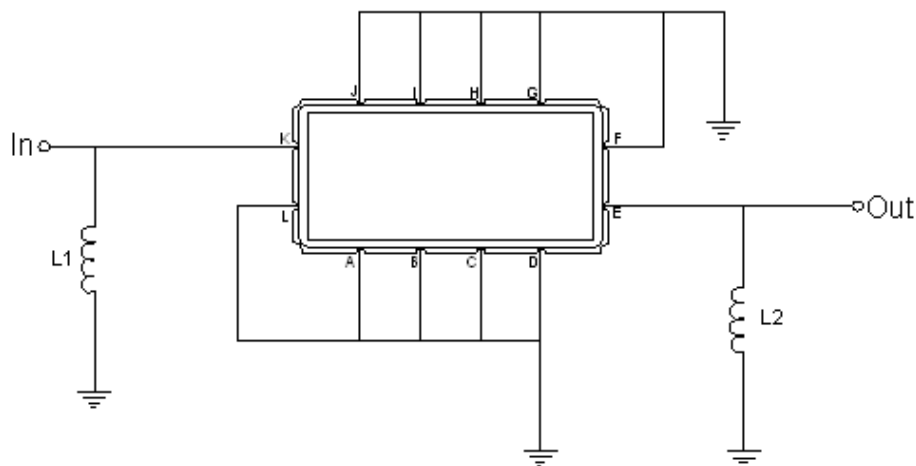
Notes : (1) With Matching Network (Ref. Testing Environment Circuit as shown below).
Those impedances could be modified with different impedance values and/or structures, if necessary.

□ Package Dimensions



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

□ Testing Environment



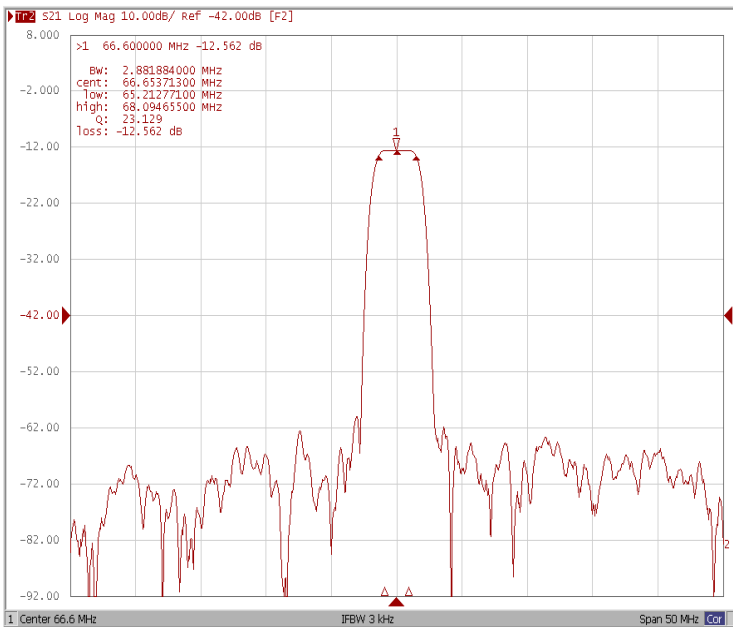
Test Fixture & Values	
Input	L1=47nH
Output	L2=82nH
Source/Load Impedance	50 Ω



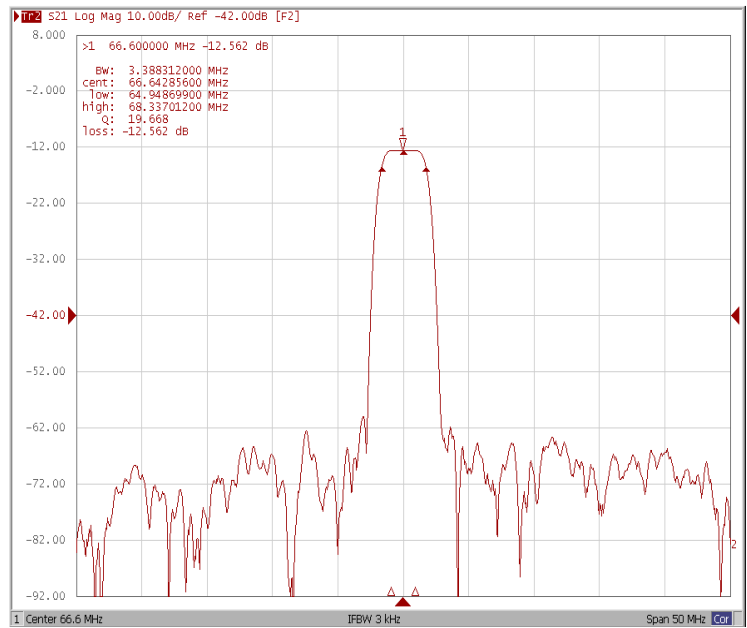
Frequency Characteristics

Frequency Response

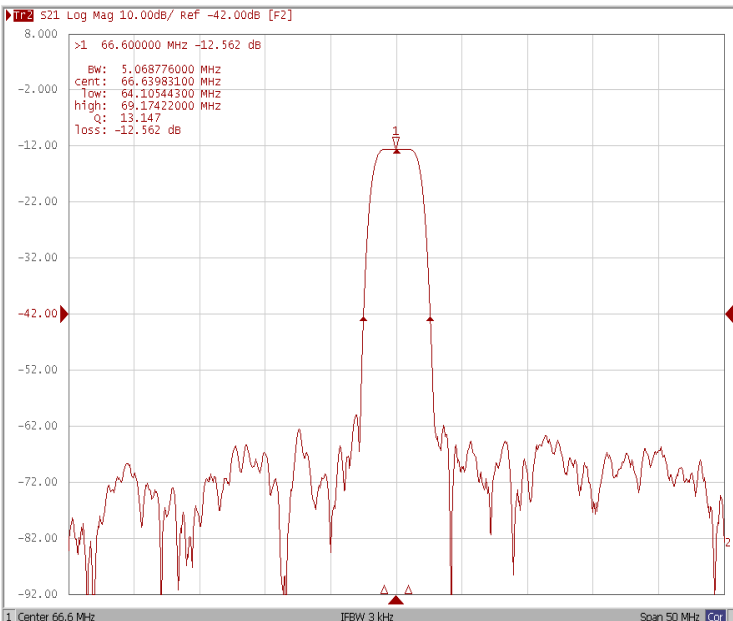
Bandwidth at -1.0 dB



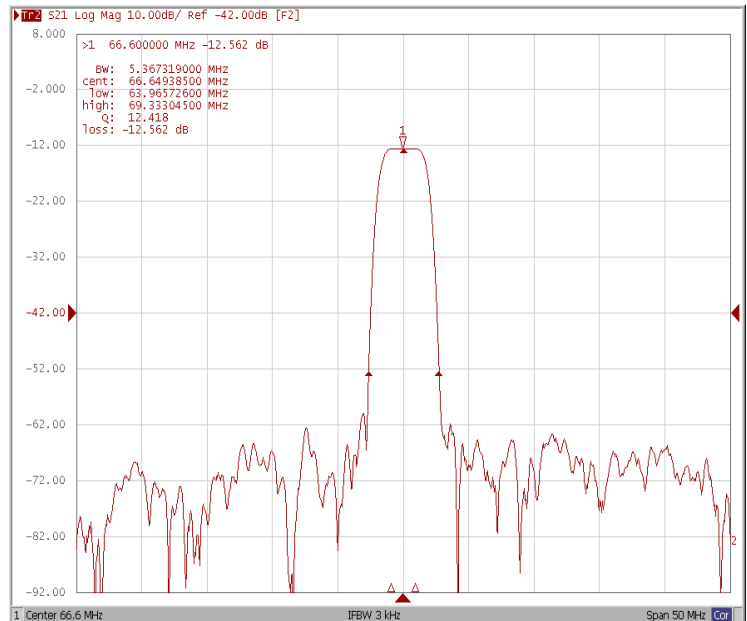
Bandwidth at -3.0 dB



Bandwidth at -30.0 dB



Bandwidth at -40.0 dB

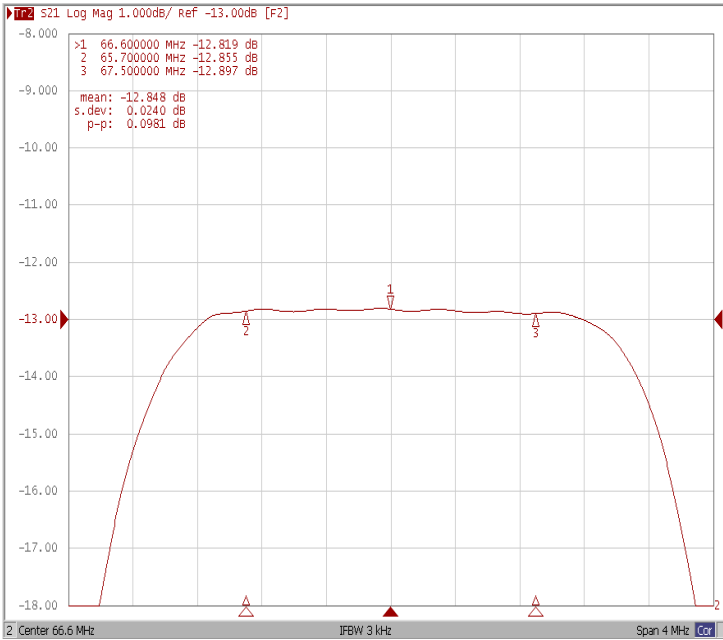




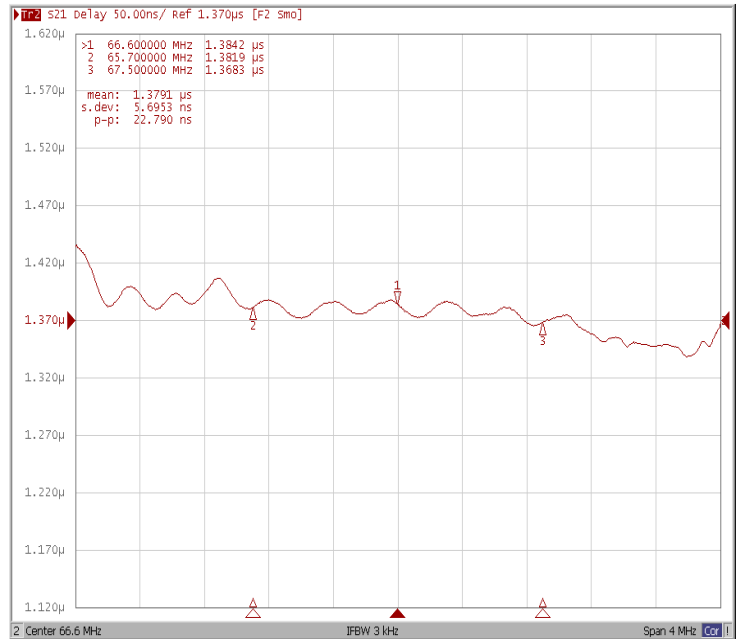
Frequency Characteristics

Frequency Response

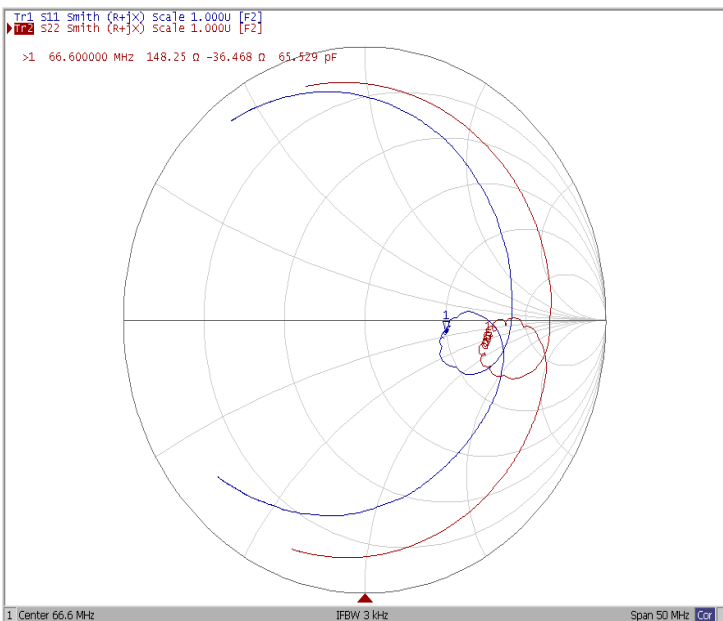
Ripple Variation Fo±0.9MHz



Group Delay Variation Fo±0.9MHz



Smith Chart



VSWR

