



Total Solution Provider in Saw Device

SL11265AV

112.5 MHz IF SAW Filter
67.10 MHz Bandwidth
Revision 0: 29. May. 2009



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

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□ Electrical Characteristics

Maximum Ratings

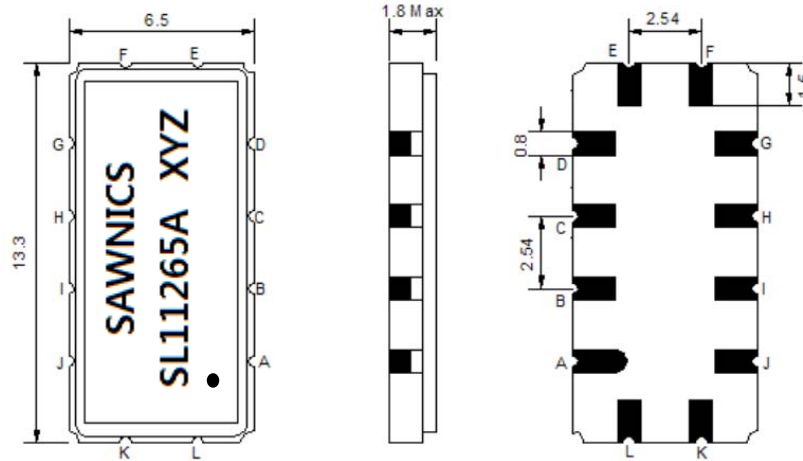
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-	25	-
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Load Impedance (single ended) ⁽¹⁾	Ω	-	50	-
Package type & size	V			
Length 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	-	112.5	-
Insertion Loss at Fo	dB	-	28.00	30.00
Group Delay Variation (Fo±32.0MHz)	nsec	-	17	30
Absolute Delay	usec	-	0.85	-
Passband Ripple (Fo±32.0MHz)	dB	-	0.7	1.2
Bandwidth at -1dB	MHz	66.80	67.10	-
Bandwidth at -3dB	MHz	-	68.55	-
Bandwidth at -40dB	MHz	-	75.70	76.30
Ultimate Rejection	dB	-	40	-
Temperature coefficient	ppm/°C	-	-72	-

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.

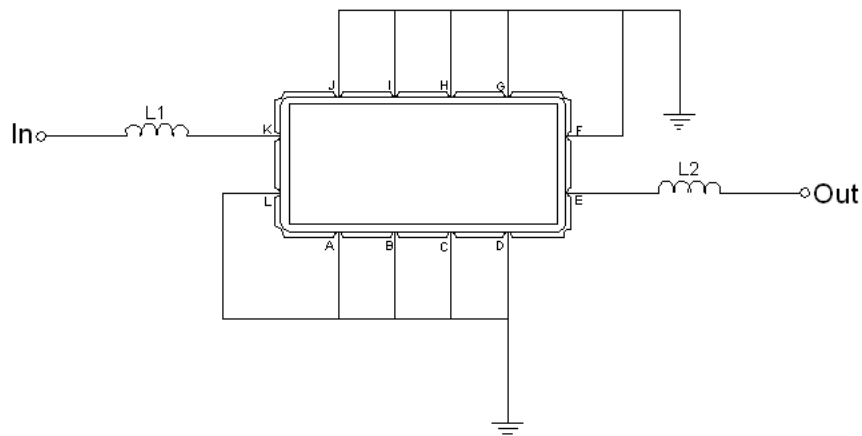
□ Package Dimensions



- ① SAWNICS: Brand
- ② SL11265A: Model Name
- ③ X : Date Code (Year)
- ④ Y : Date Code (Month)
- ⑤ Z : Date Code (Date)
- : Index Dot

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

□ Testing Environment

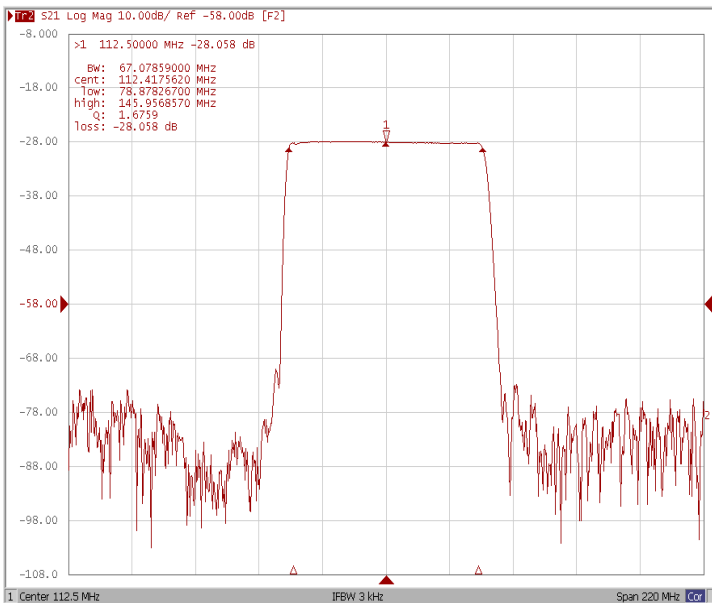


Test Fixture & Values	
Input	L1=27nH
Output	L2=12nH
Source/Load Impedance	50 Ω

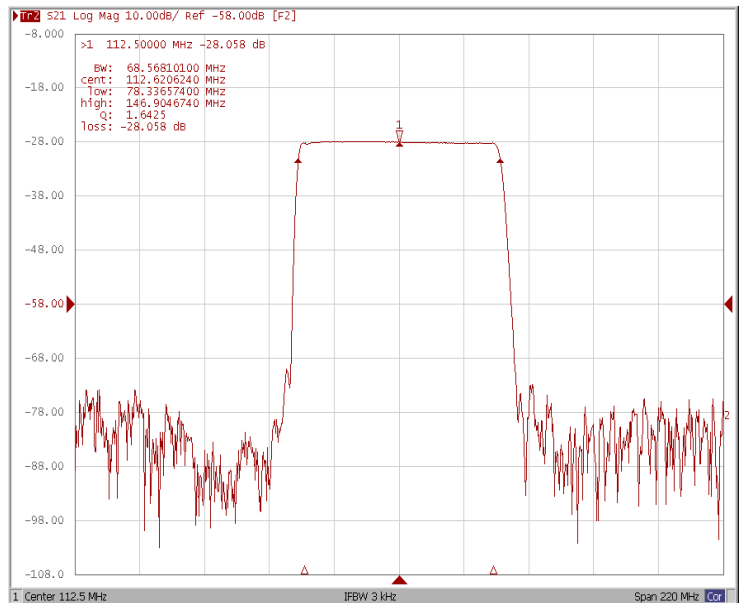
Frequency Characteristics

Frequency Response

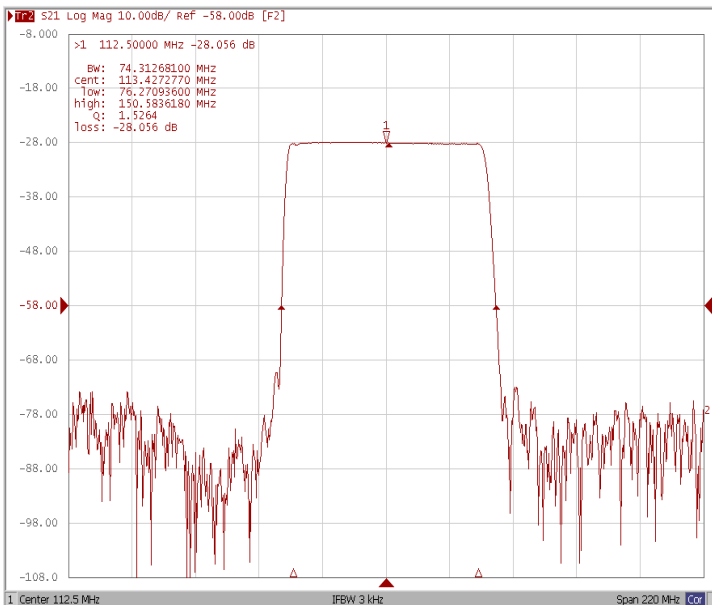
Bandwidth at -1.0 dB



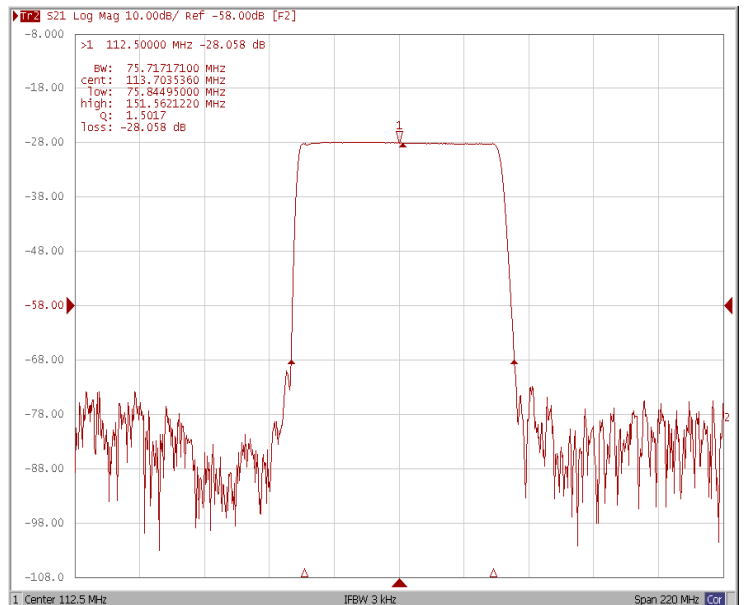
Bandwidth at -3.0 dB



Bandwidth at -30.0 dB



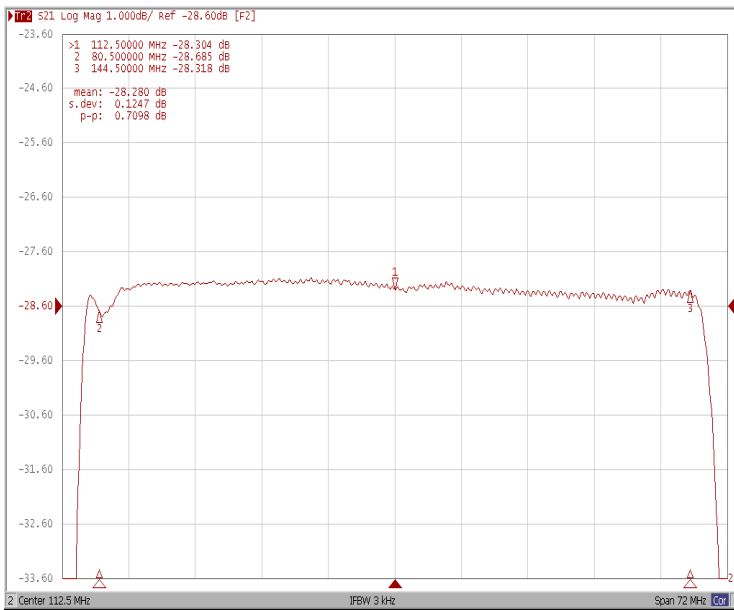
Bandwidth at -40.0 dB



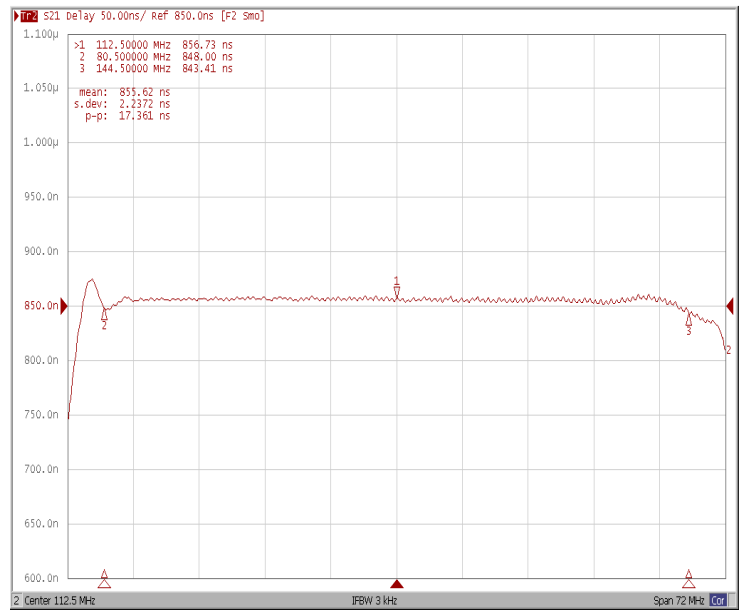
Frequency Characteristics

Frequency Response

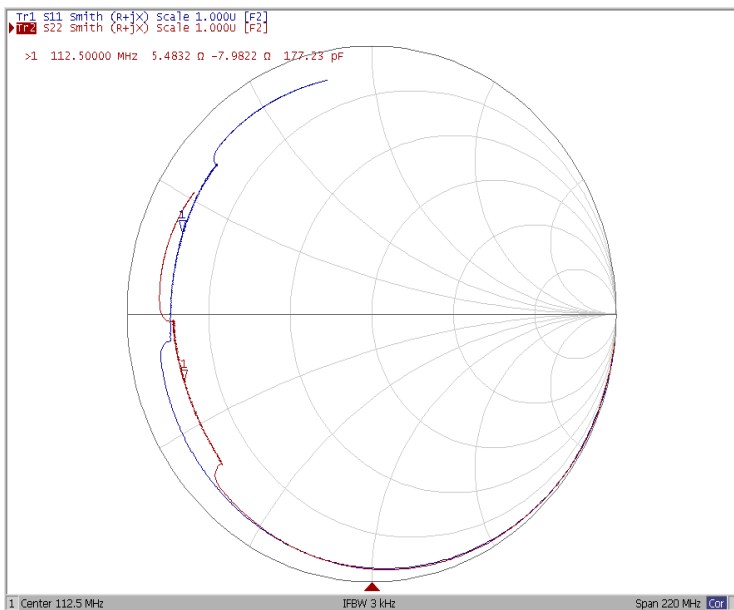
Ripple Variation $Fo \pm 32.0\text{MHz}$



Group Delay Variation $Fo \pm 32.0\text{MHz}$



Smith Chart



VSWR

