❒ Electrical Characteristics

Maximum Ratings

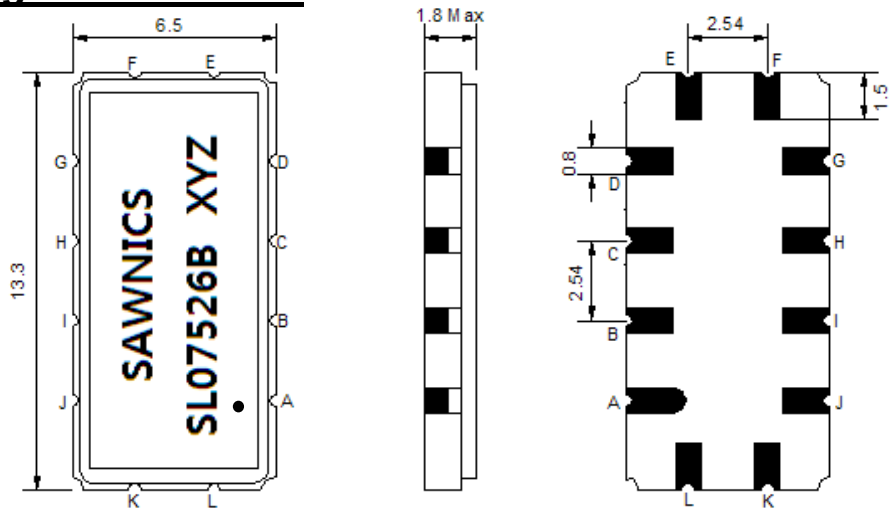
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-	25	-
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	V			
Length x Width	mm²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	75.1	-
Insertion Loss at Fo	dB	-	15.4	16.5
Group Delay Variation at Fo ± 12.48 MHz	nsec	-	29	60
Absolute Delay at Fo	usec	-	1.13	-
Passband Ripple Variation at Fo ± 12.48 MHz	dB	-	0.45	0.80
Bandwidth at -1dB	MHz	26.00	26.40	-
Bandwidth at -3dB	MHz	-	27.17	-
Bandwidth at -15dB	MHz	-	28.81	30.00
Relative Attenuation				
@59.5 MHz	dB	45	61	
@89.5MHz	dB	12	12.6	
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.

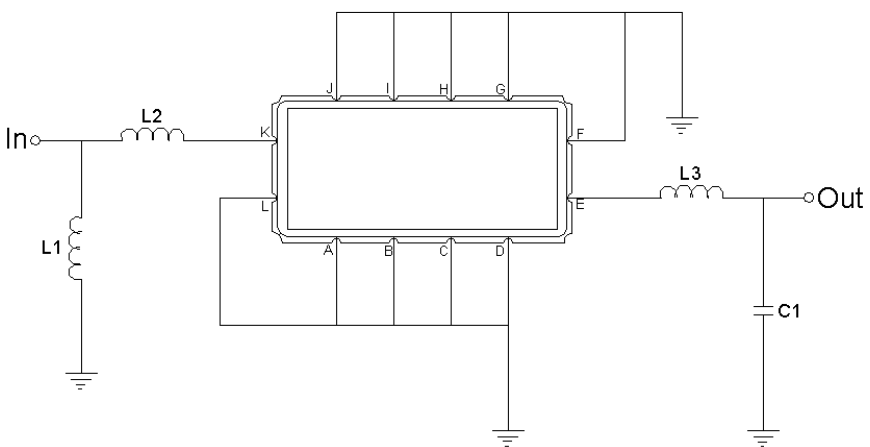
❒ Package Dimensions



① SAWNICS: Brand
② SL07526B: 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

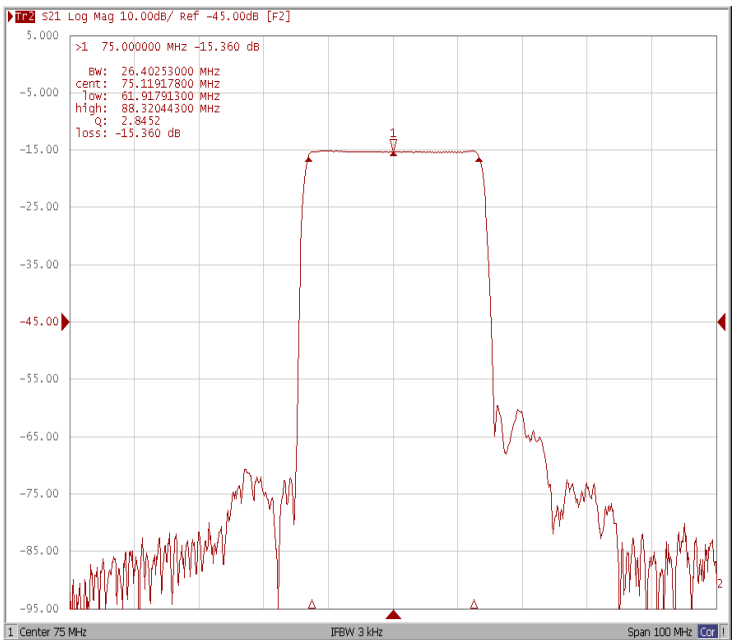


Test Fixture & Values	
Input	L1 = 56 nH, L2 = 5.6 nH
Output	L3 = 120 nH, C1=33pF
Source/Load Impedance	50 Ω

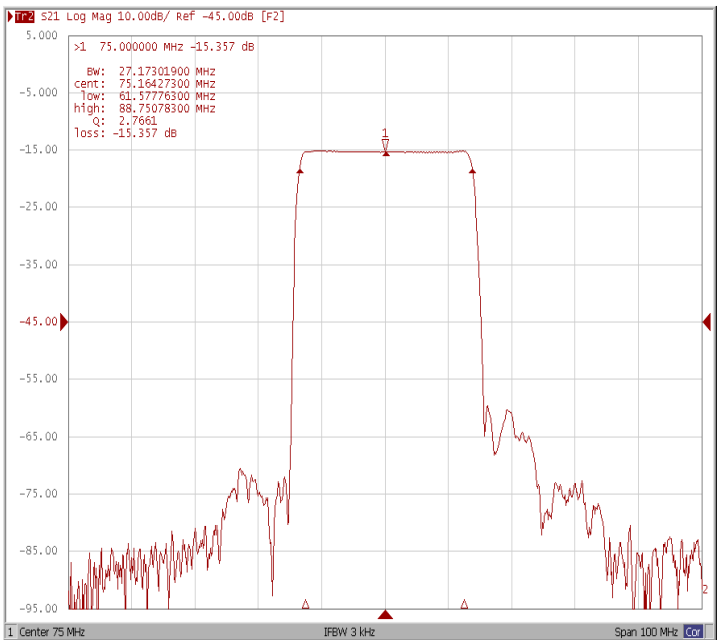
❒ Frequency Characteristics

Frequency Response

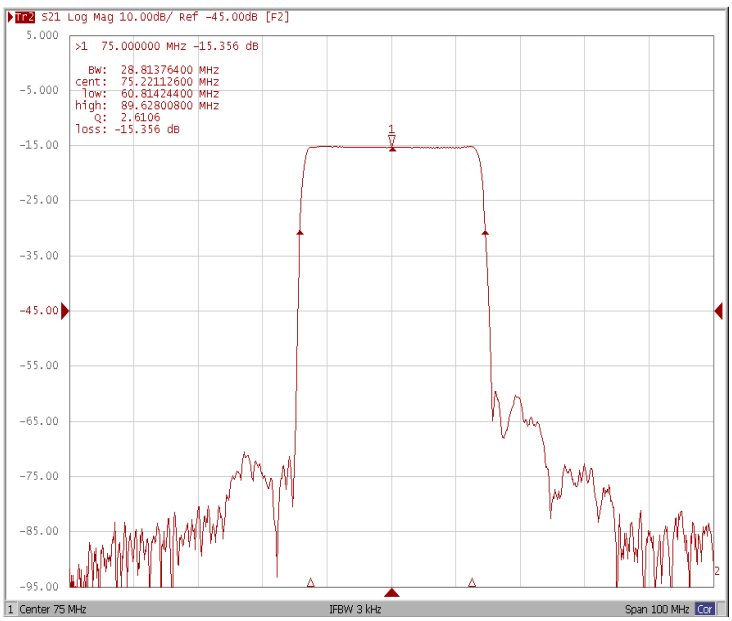
Bandwidth at –1.0 dB



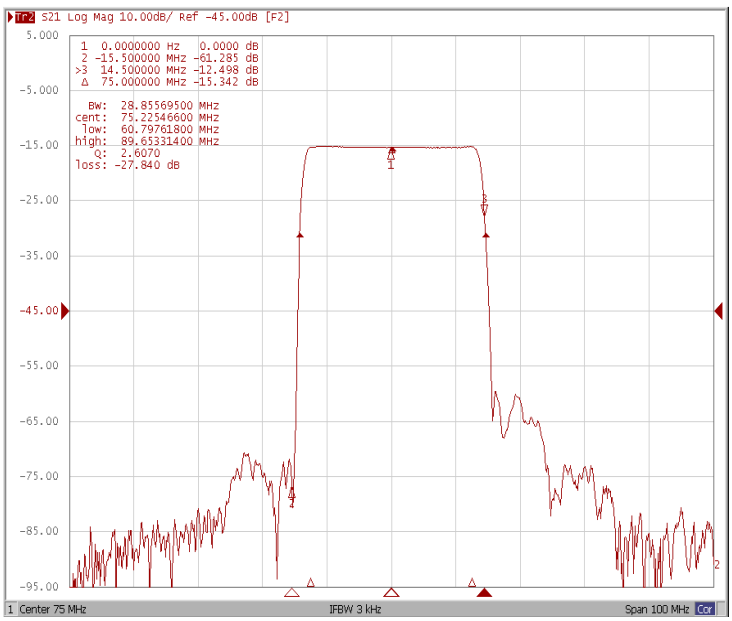
Bandwidth at –3.0 dB



Bandwidth at –15.0 dB



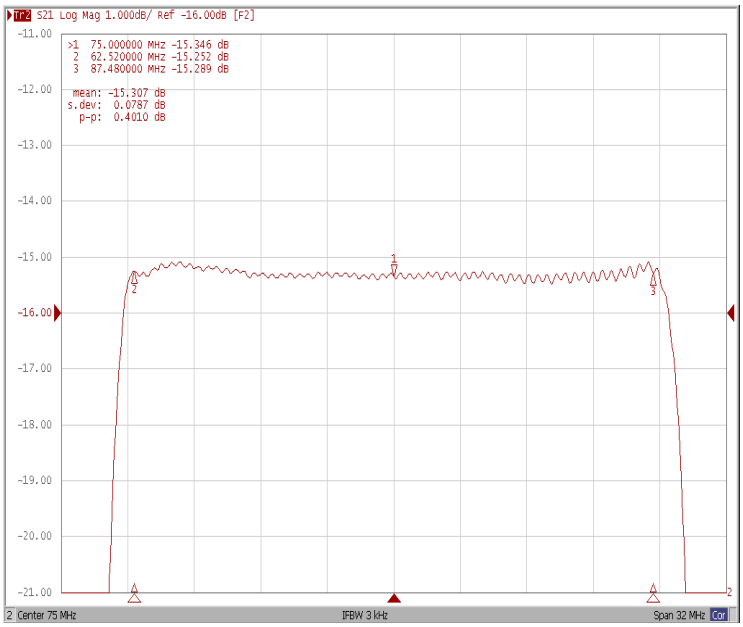
Relative Attenuation



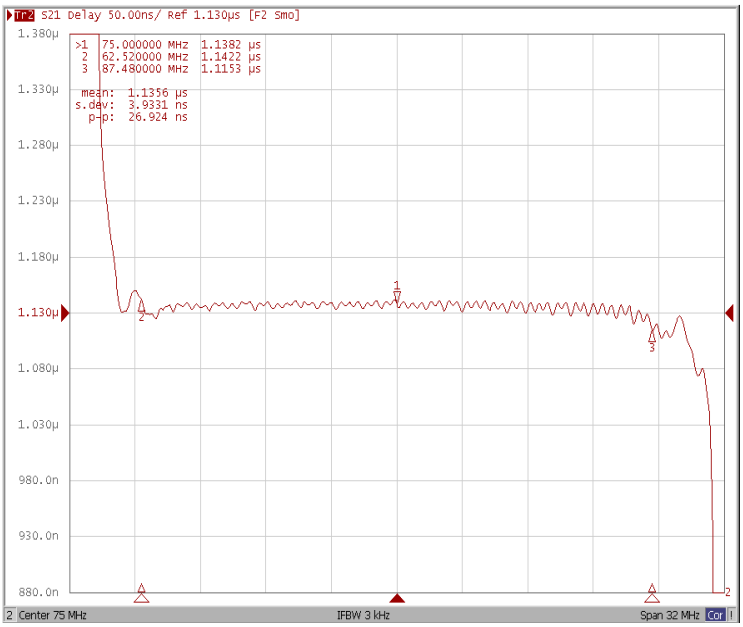
❒ Frequency Characteristics

Frequency Response

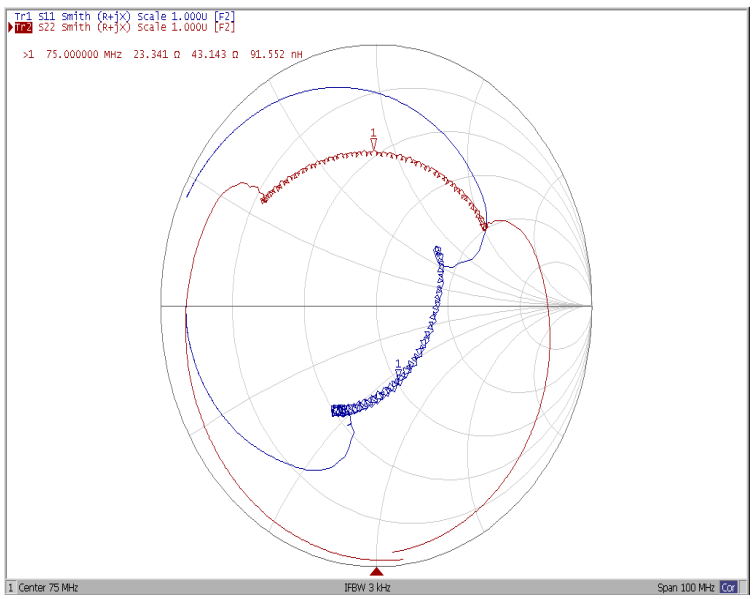
Ripple Variation Fo±12.48MHz



Group Delay Variation Fo±12.48MHz



Smith Chart



SWR