

## 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	T			
Length x Width	mm <sup>2</sup>	-	9.1 x 4.8	-
Height	mm	-	-	1.5

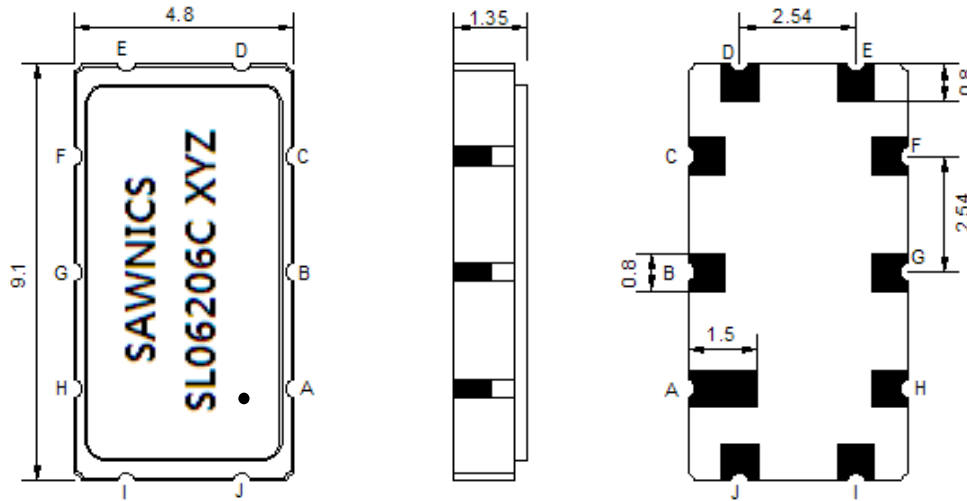
## Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum	
Center Frequency (Fo)	MHz	-	62.50	-	
Insertion Loss at Fo	dB	-	9.6	13.0	
Temperature Coefficient	ppm/°C	-	-86	-	
Group Delay Variation at Fo±2.4MHz	nsec	-	69	100	
Absolute Delay at Fo	usec	-	0.95	-	
Passband Ripple at Fo±2.4MHz	dB	-	0.37	0.8	
Bandwidth at -1dB	MHz	6.0	6.62	-	
Bandwidth at -3dB	MHz	-	7.62	-	
Bandwidth at -30dB	MHz	-	10.40	10.80	
Ultimate Rejection	dB	-	42	-	
VSWR	Input	-	-	3.5	-
	Output	-	-	5.5	-

**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.

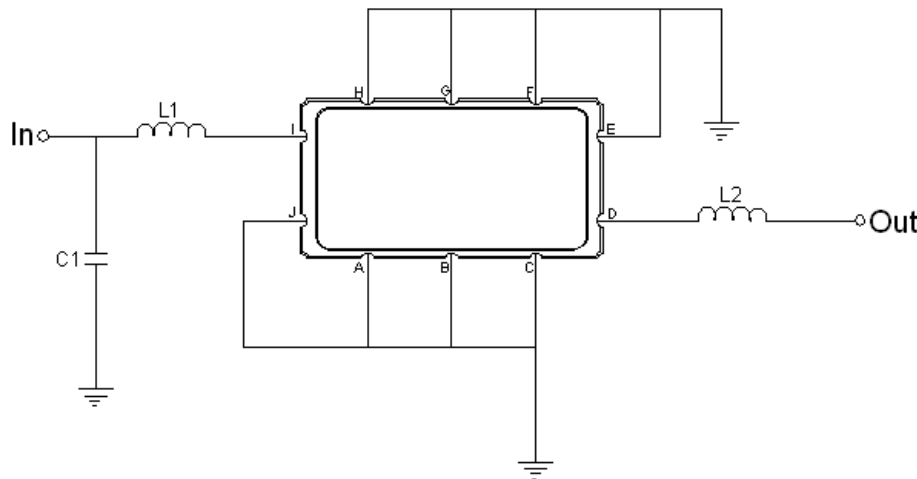
## Package Dimensions



- ① SAWNICs: Brand
- ② SL06206C: Model Name
- ③ X : Date Code (Year)
- ④ Y : Date Code (Month)
- ⑤ Z : Date Code (Date)
- : Index Dot

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

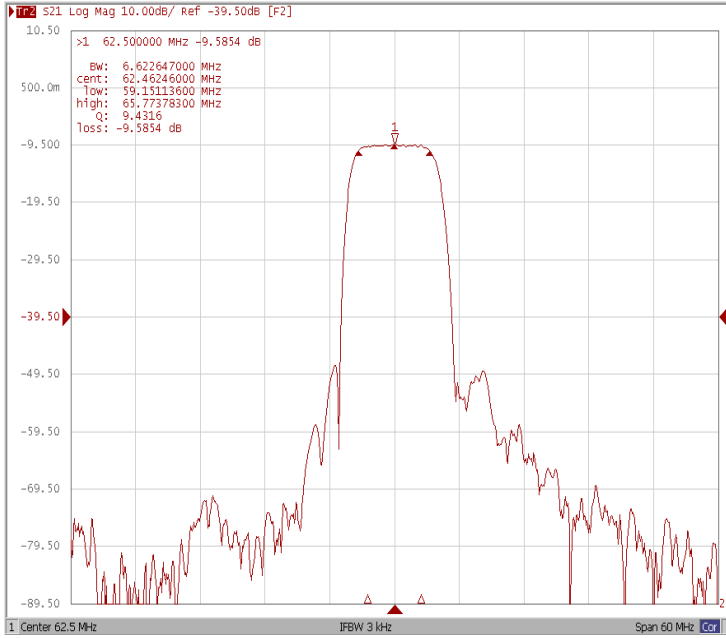
## Testing Environment



Test Fixture & Values	
Input	L1 = 180 nH , C1 = 91 pF
Output	L2 = 68 nH,
Source/Load Impedance	50 $\Omega$

## Frequency Response

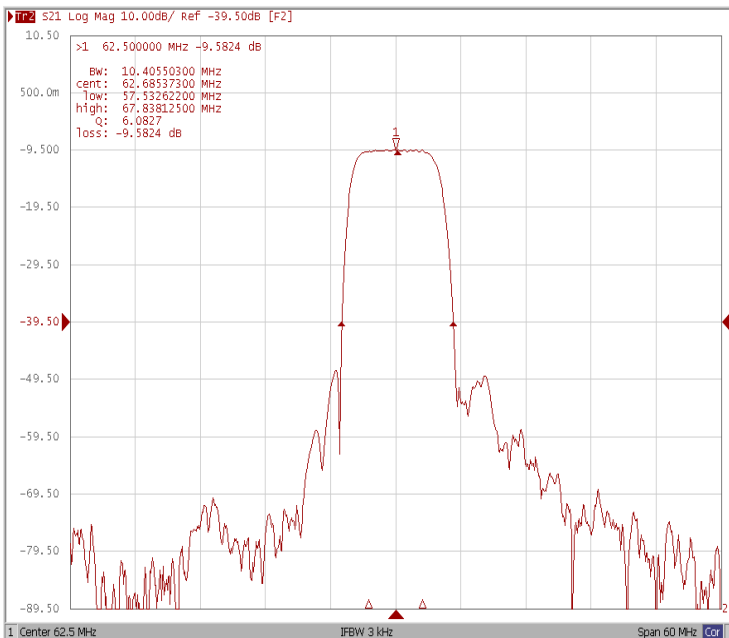
### Bandwidth at -1.0 dB



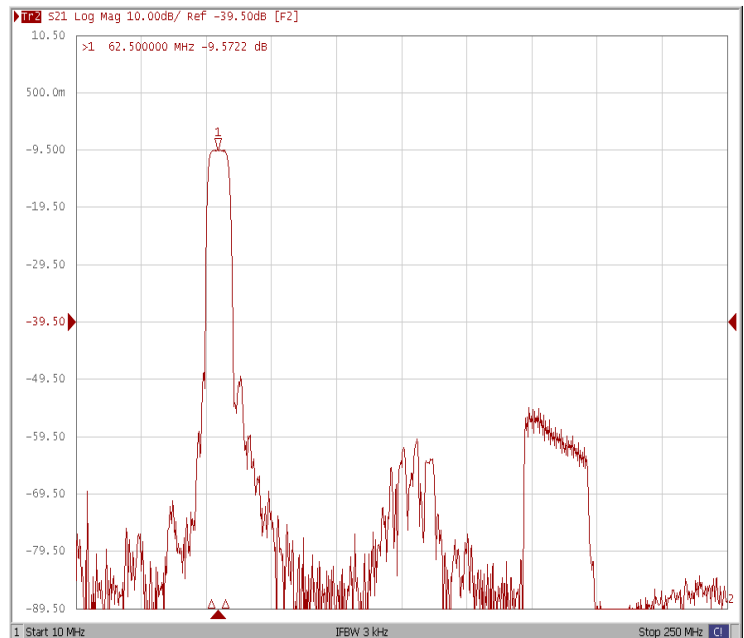
### Bandwidth at -3.0 dB



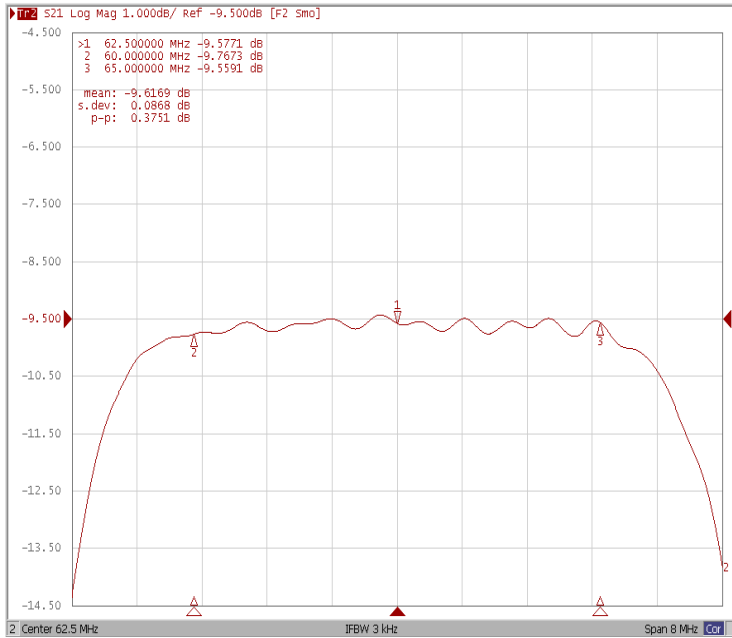
### Bandwidth at -30.0 dB



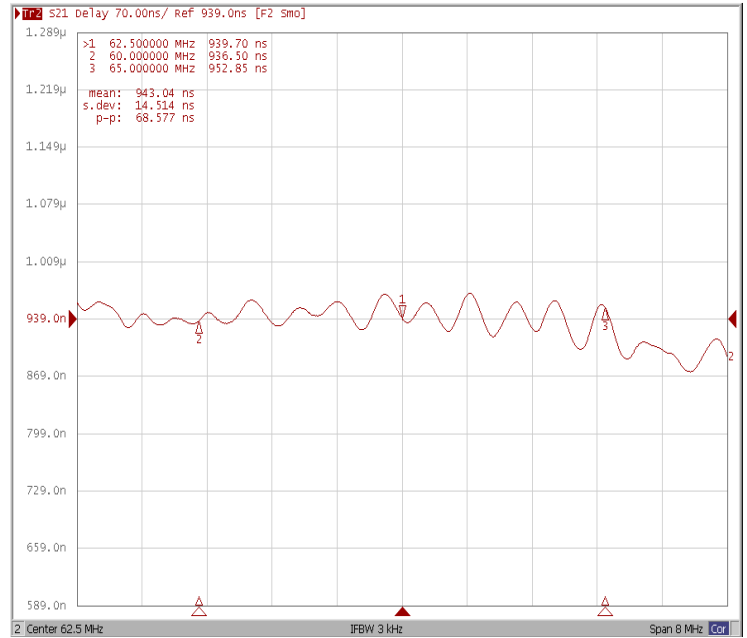
### WIDE



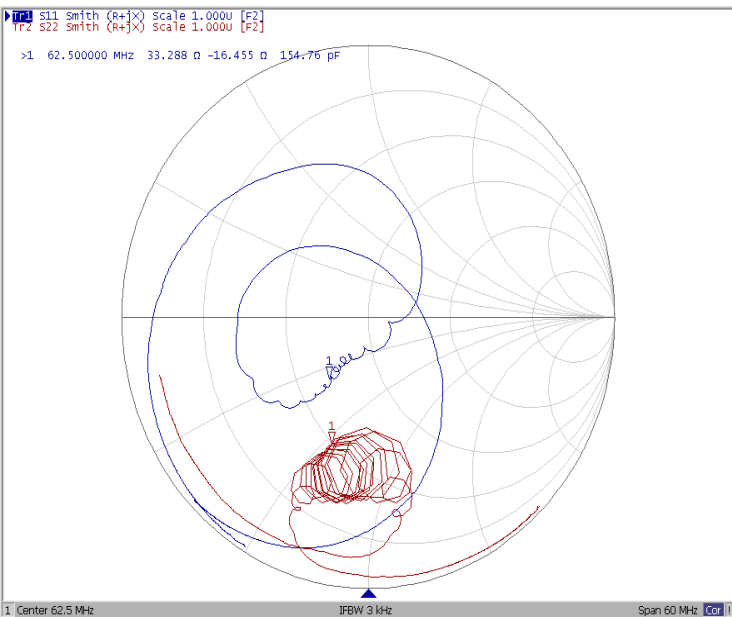
Ripple Variation Fo±2.4MHz



Group Delay Variation Fo±2.4MHz



Smith



SWR

