❒ Electrical Characteristics

Maximum Ratings

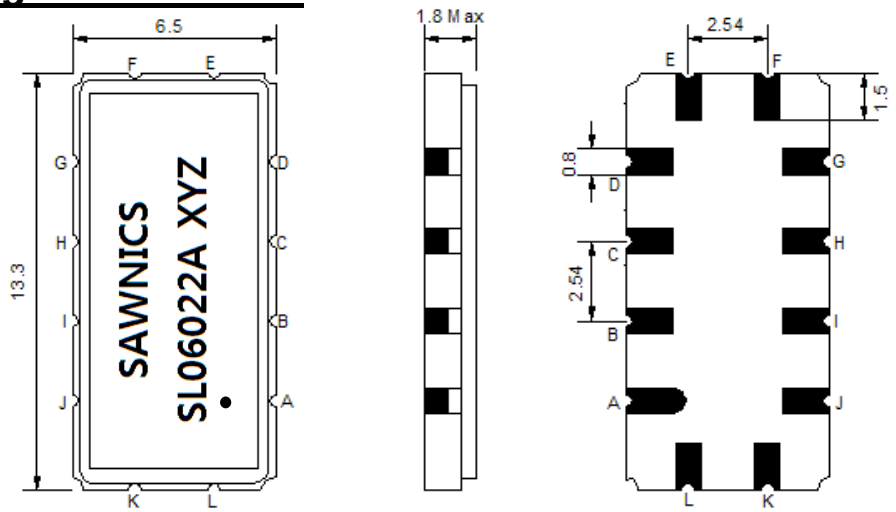
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-20	-	70
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	V			
Length x Width	mm²	-	13.3 x 6.5	-
Height	mm	-	-	1.8

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	59.90	60.00	60.10
Insertion Loss at Fo	dB	-	16.40	18.00
Group Delay Variation (Fo±9.22MHz)	ns	-	10	30
Absolute Delay Time at Fo	us	-	0.68	-
Temperature Coefficient	ppm/°C	-	-86	-
Amplitude Ripple (Fo±9.22MHz)	dB	-	0.21	0.80
Bandwidth at -1dB	MHz	-	22.44	-
Bandwidth at -3dB	MHz	23.50	23.98	-
Bandwidth at -30dB	MHz	-	29.33	-
Bandwidth at -40dB	MHz	-	30.38	30.70
Ultimate Rejection	dB	40	45	-

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.

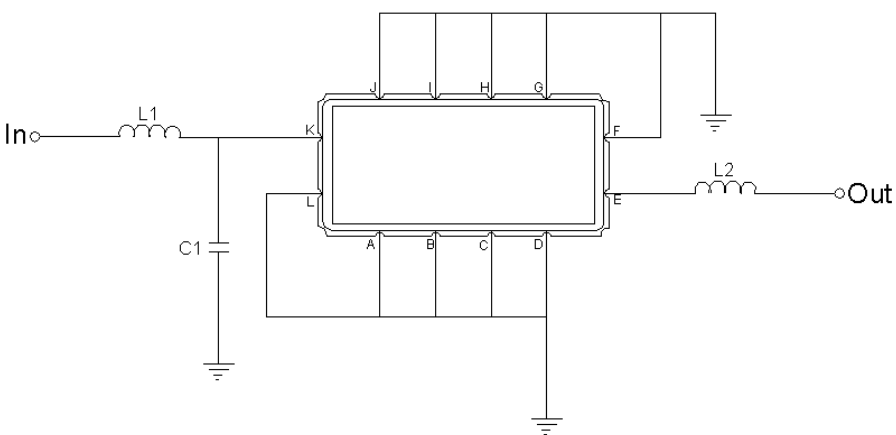
❒ Package Dimensions



① SAWNICS: Brand
② SL06022A: 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

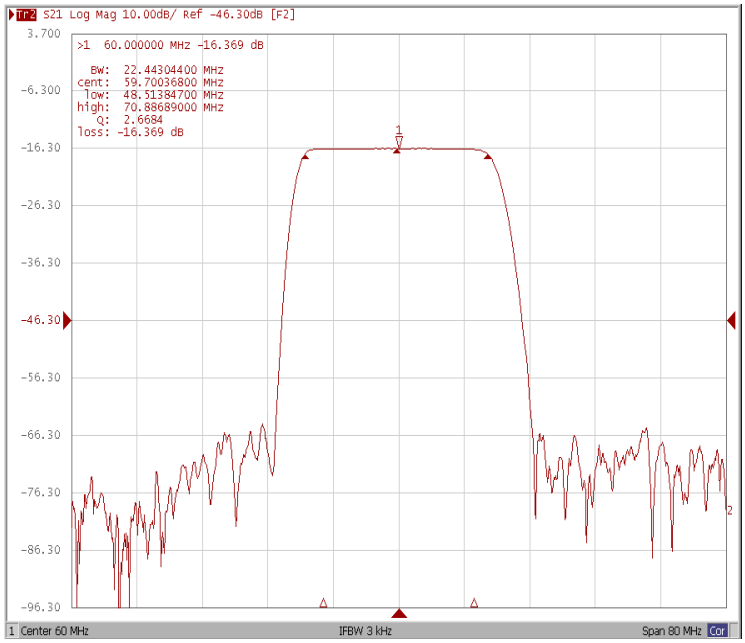


Test Fixture & Values	
Input	L1 = 220 nH, C1=6.8pF
Output	L2 = 150 nH
Source/Load Impedance	50 Ω

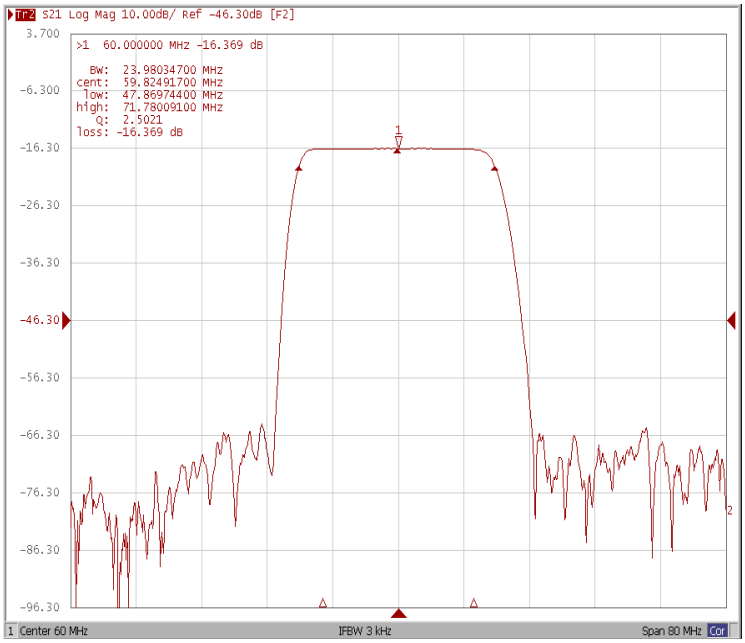
❒ Frequency Characteristics

Frequency Response

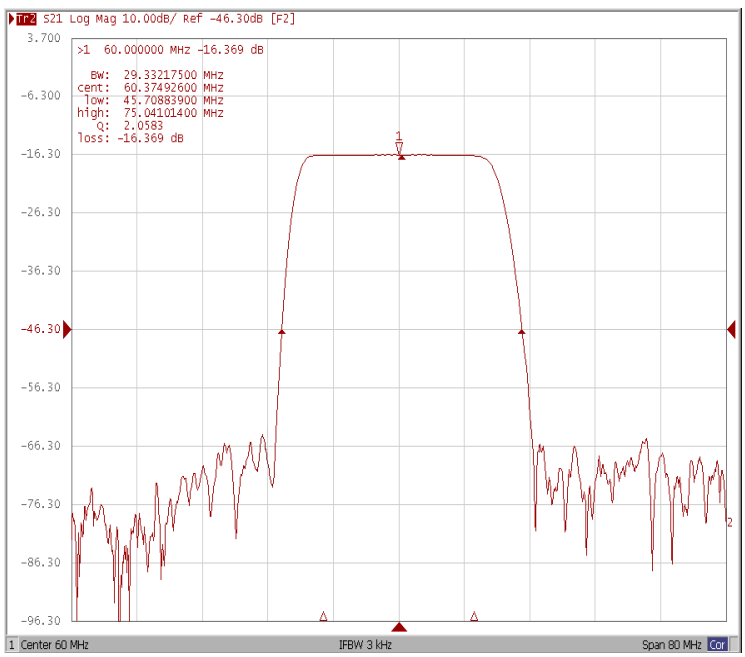
Bandwidth at –1.0 dB



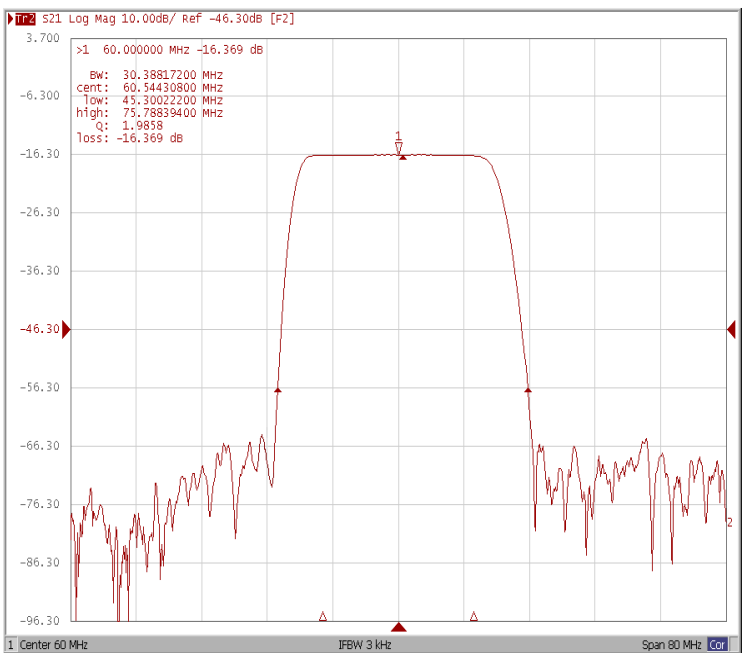
Bandwidth at –3.0 dB



Bandwidth at –30.0 dB



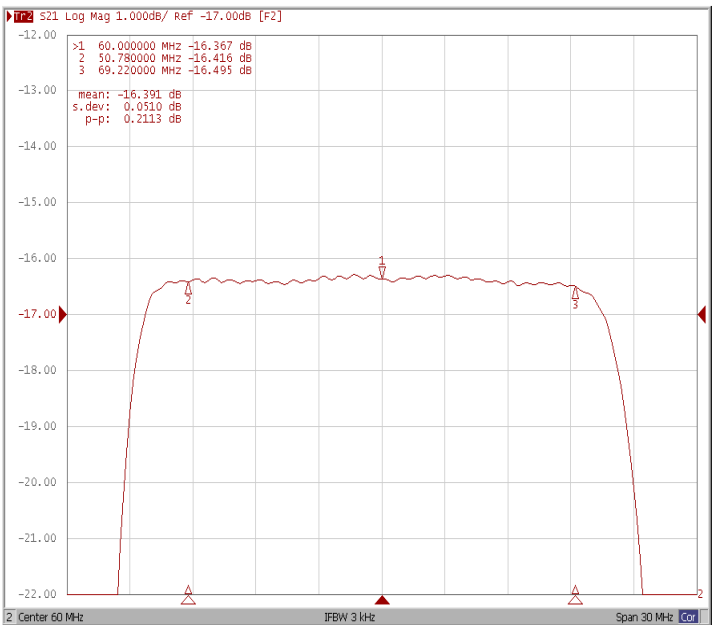
Bandwidth at –40.0 dB



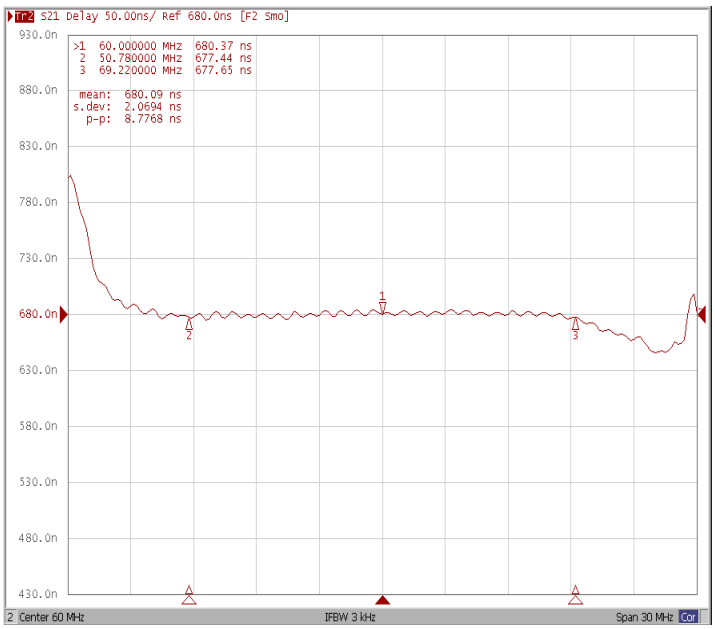
❒ Frequency Characteristics

Frequency Response

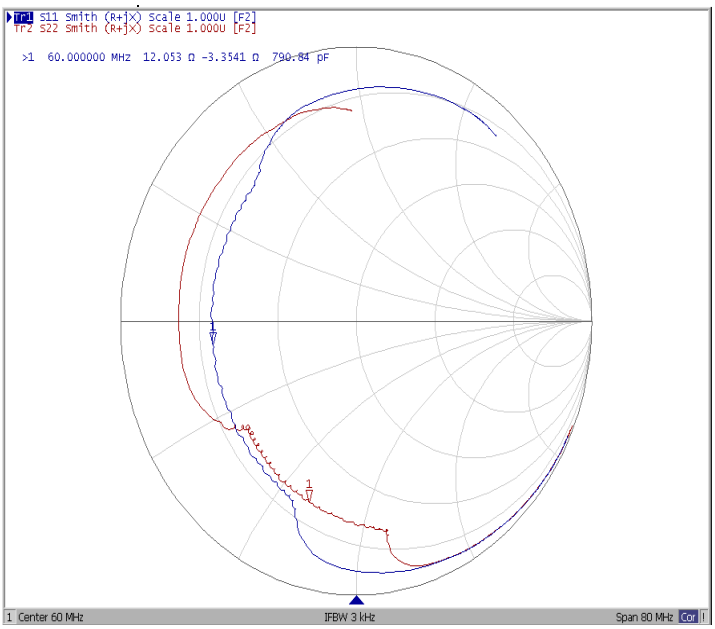
Ripple Variation Fo±9.22MHz



Group Delay Variation Fo±9.22MHz



Smith Chart



VSWR