❒ Electrical Characteristics

Maximum Ratings

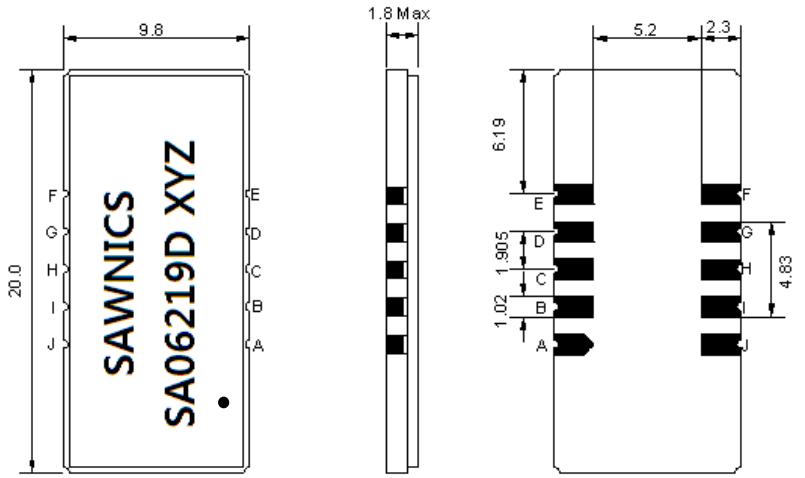
Parameters Description	Unit	Minimum	Typical	Maximum
Operation Temperature Range	°C	-	25	-
Storage Temperature Range	°C	-40	-	85
Maximum DC Voltage	V	-	-	10
Maximum Input Power	dBm	-	-	10
Source Impedance (single ended)(1)	Ω	-	50	-
Load Impedance (single ended)(1)	Ω	-	50	-
Package type & size	D1			
Length x Width	mm²	-	20.0 x 9.8	-
Height	mm	-	-	1.8

Electrical Specification

Center Frequency (Fo)	MHz	-	62.5	-
Insertion Loss at Fo	dB	-	23.3	25.0
Group Delay Variation (Fo±9.22MHz)	ns	-	33	80
Absolute Delay Time at Fo	us	-	2.32	-
Temperature Coefficient	ppm/°C	-	-72	-
Amplitude Ripple (Fo±9.22MHz)	dB	-	0.53	1.00
Bandwidth at -1dB	MHz	-	19.19	-
Bandwidth at -3dB	MHz	19.20	19.50	-
Bandwidth at -50dB	MHz	-	20.88	21.00
Ultimate Rejection	dB	48	52	-

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.

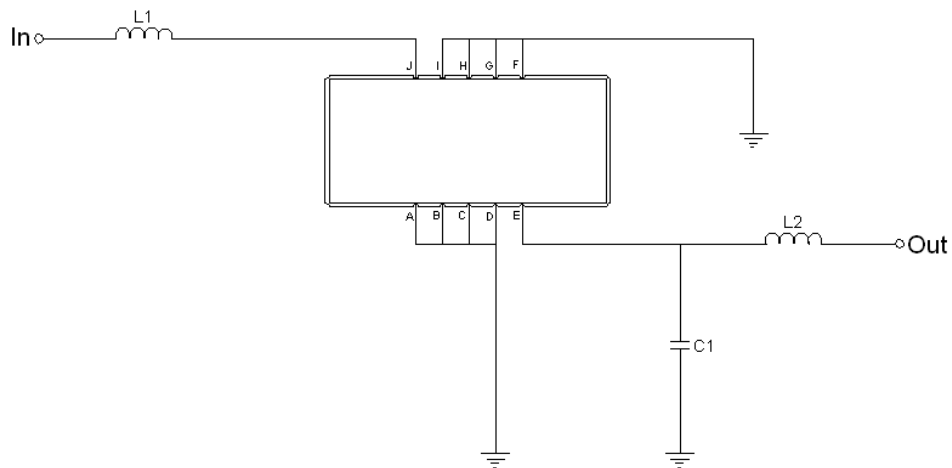
❒ Package Dimensions



① SAWNICS: Brand
② SA06219D: 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	Ground
J	Input
E	Output

❒ Testing Environment

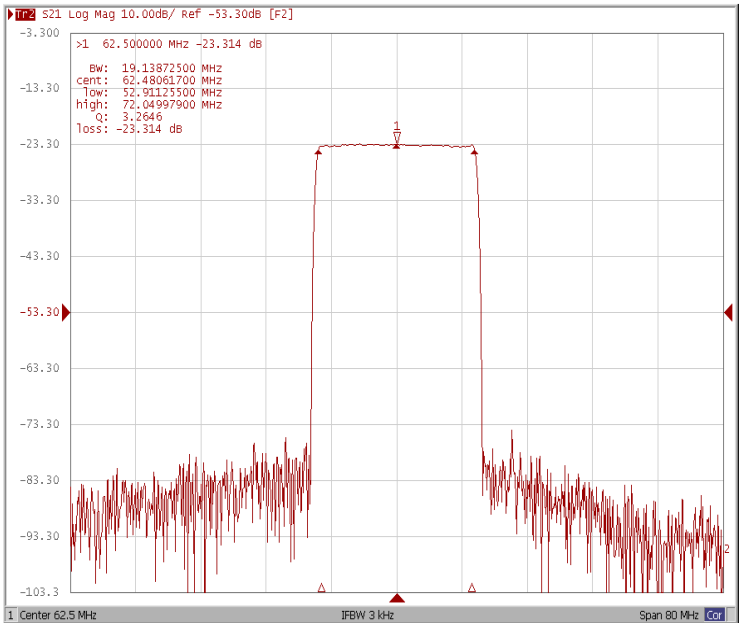


Test Fixture & Values	
Input	L1=180 nH
Output	L2=220 nH, C1=1.2pF
Source/Load Impedance	50 Ω

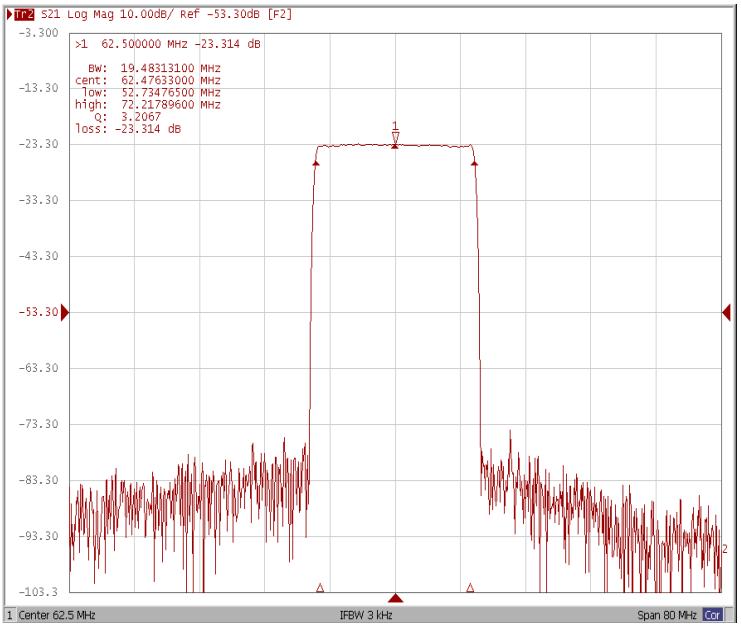
❒ Frequency Characteristics

Frequency Response

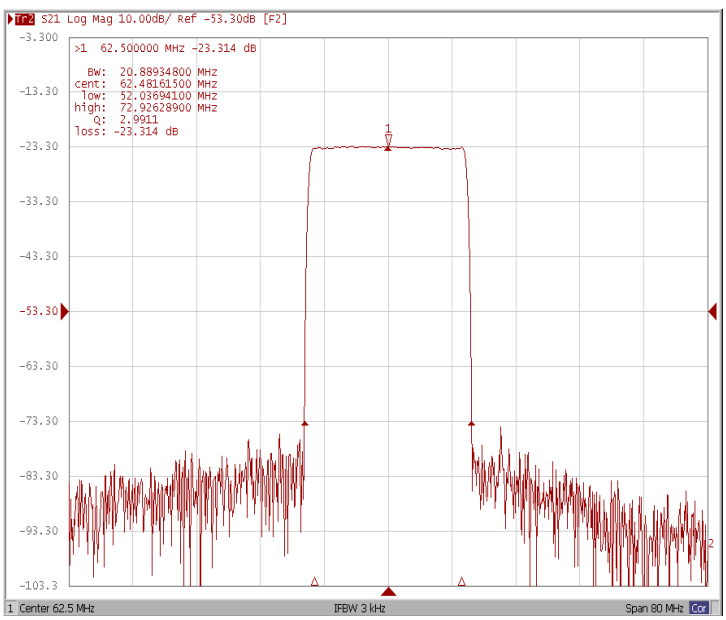
Bandwidth at –1.0 dB



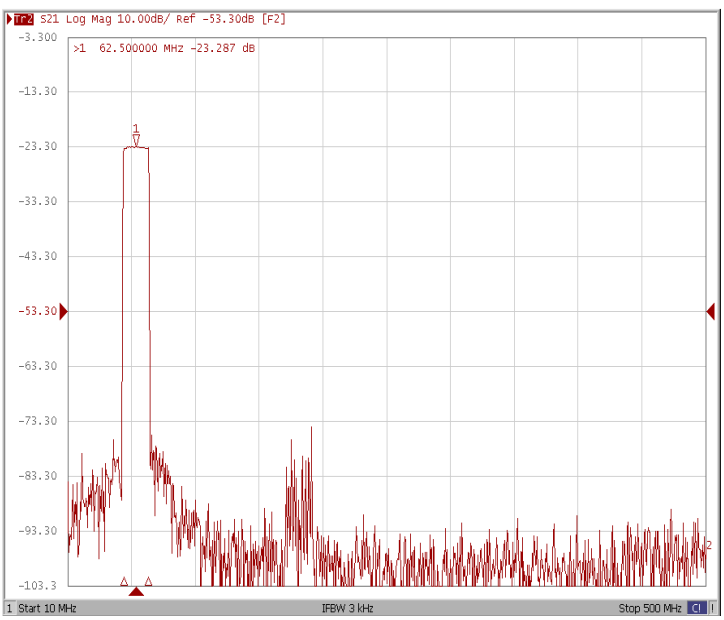
Bandwidth at –3.0 dB



Bandwidth at –50.0 dB



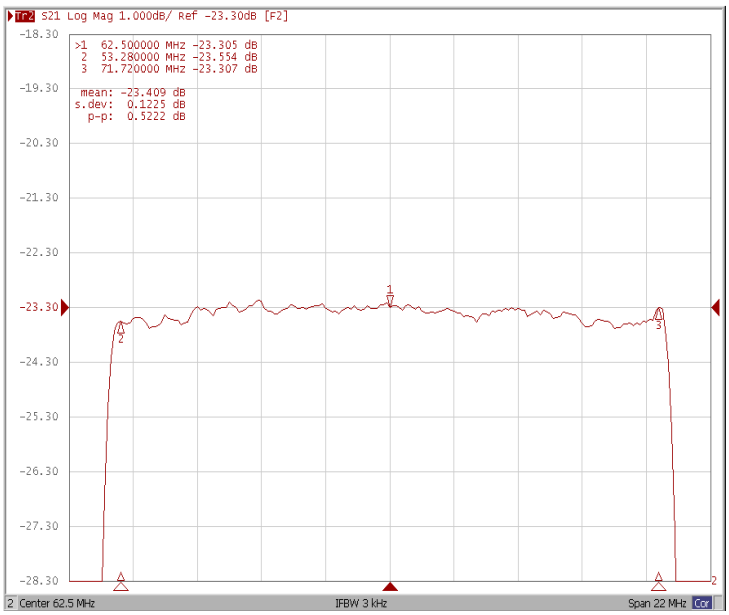
Wide_Band



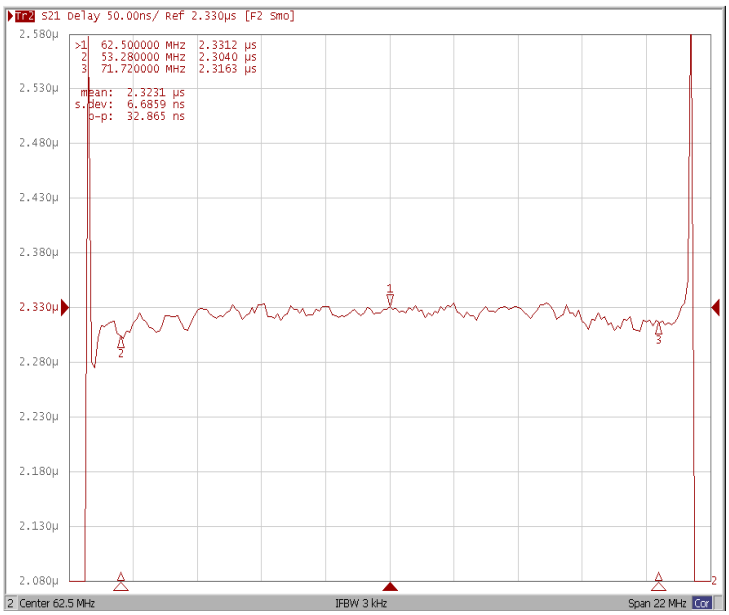
❒ Frequency Characteristics

Frequency Response

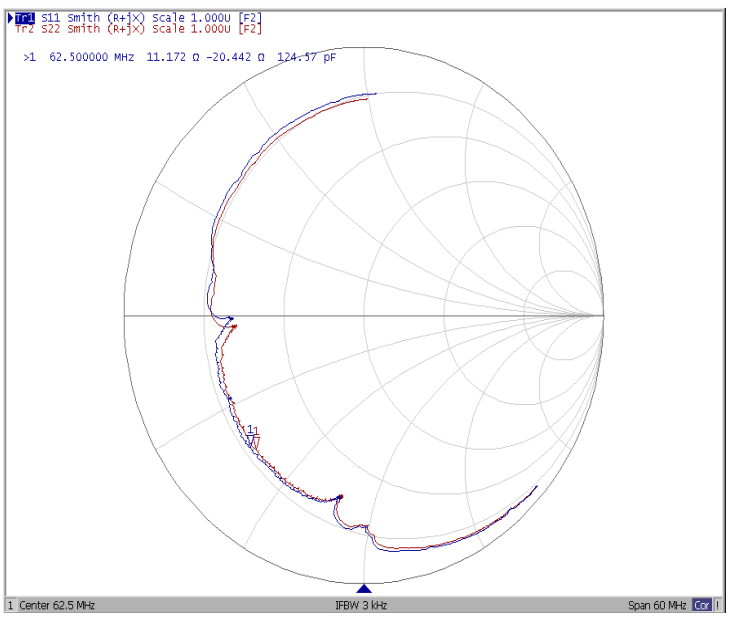
Ripple Variation Fo±9.22MHz



Group Delay Variation Fo±9.22MHz



Smith Chart



VSWR