

SF-362501-S27

Band48, RF SAW Filter

Revision 0: February, 2019



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

SAWNICS Inc.

112 Seonggeo-Street, Seonggeo-eup, Seobuk-gu, Cheonan-si, Chungcheongnam-do, South Korea
/ 31044Tel : +82-41-550-9372 / Fax : +82-41-622-9116 / www.sawnics.com

Revision History

[illegible]

Electrical Characteristics

Maximum Ratings

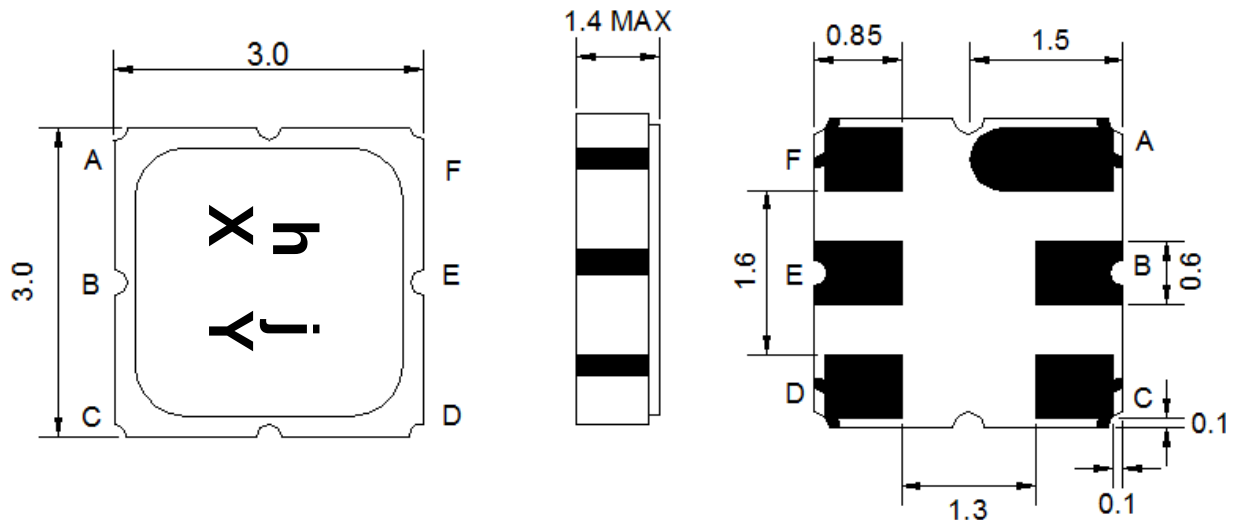
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	24
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	3625.0	-
Insertion Loss within 3550.0 ~ 3700.0 MHz (IL)	dB	-	3.5	4.5
Amplitude ripple within 3550.0 ~ 3700.0 MHz	MHz	-	0.3	1.4
Attenuation : (Reference level from 0dB)				
10.0 ~ 3270.0 MHz	dB	25	27	-
3960.0 ~ 6000.0 MHz	dB	25	31	-
VSWR within 3550.0 ~ 3700.0 MHz	-	-	2.0	2.5

Notes : (1)No Matching Network (Ref. Testing Environment Circuit as shown below).

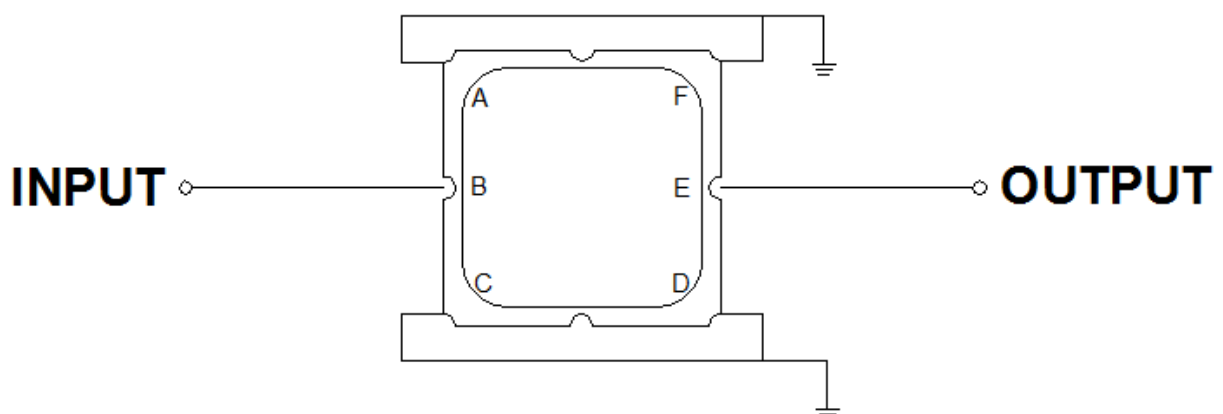
Package Dimensions



Marking Descriptions	
h	Wireless Application
j	Series Number
X	Date Code(Year)
Y	Date Code(Month)

Pin Description	
B	Input
E	Output
A, C, D, F	Ground

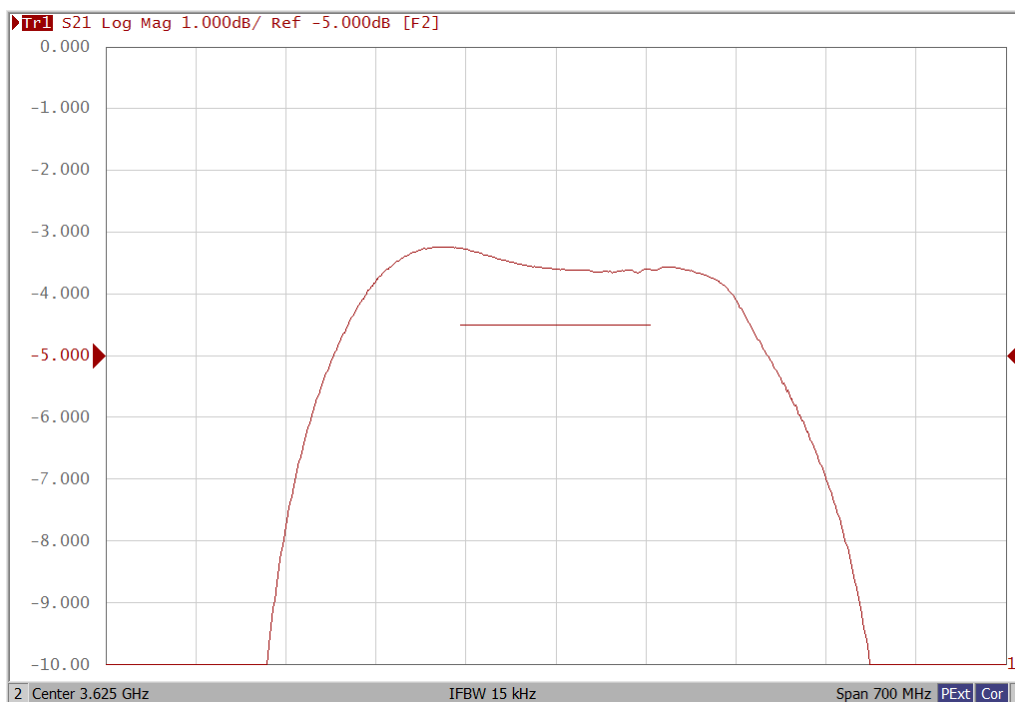
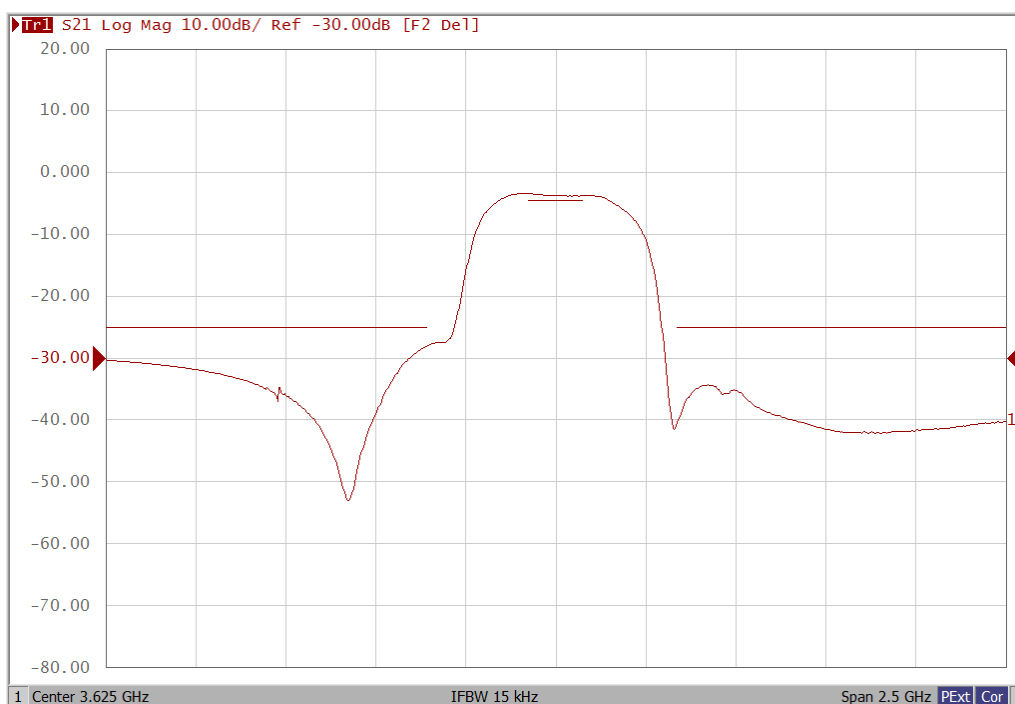
Testing Environment



Source & Load Impedance: 50 Ω

Frequency Characteristics

Frequency Response





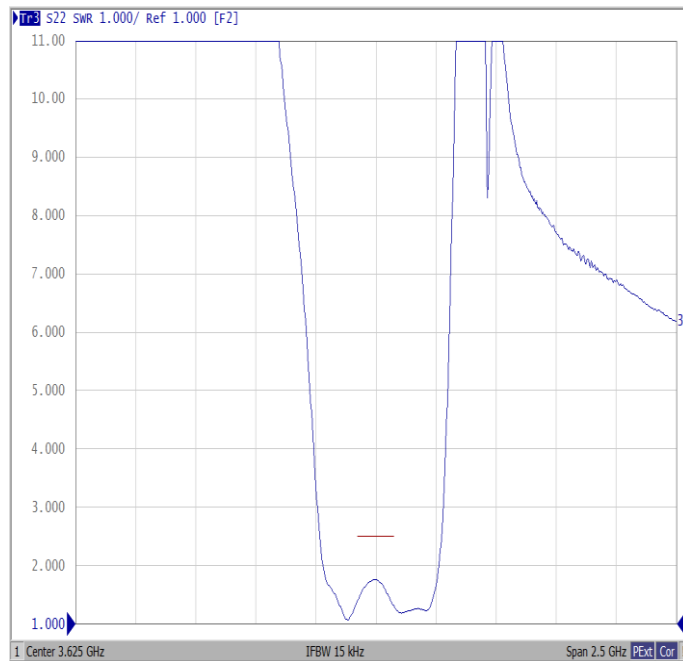
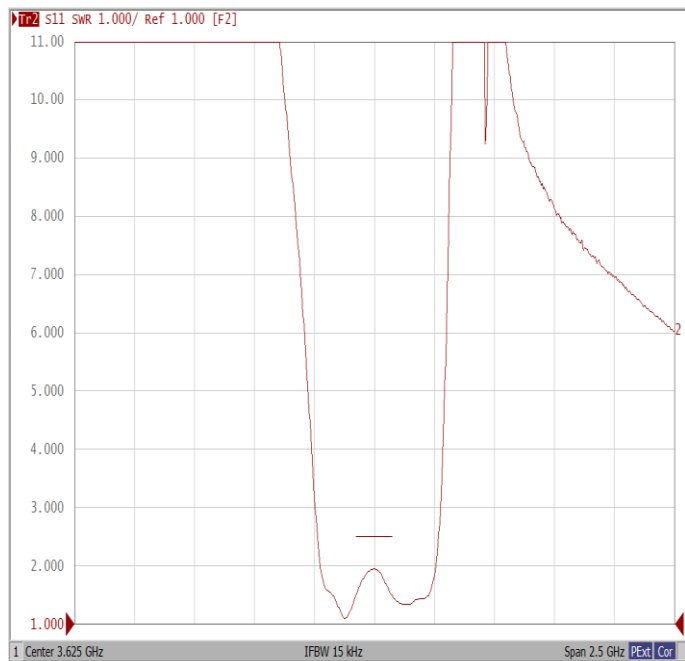
SAWNICS

Data Sheet(Rev 0)

SF-362501-S27

Band48, RF SAW Filter

VSWR



Smith Chart

