

SF-086914-S27

ISM-Band, RF SAW Filter
Revision 0: May 2017



- ☐ 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

□ Electrical Characteristics

Maximum Ratings

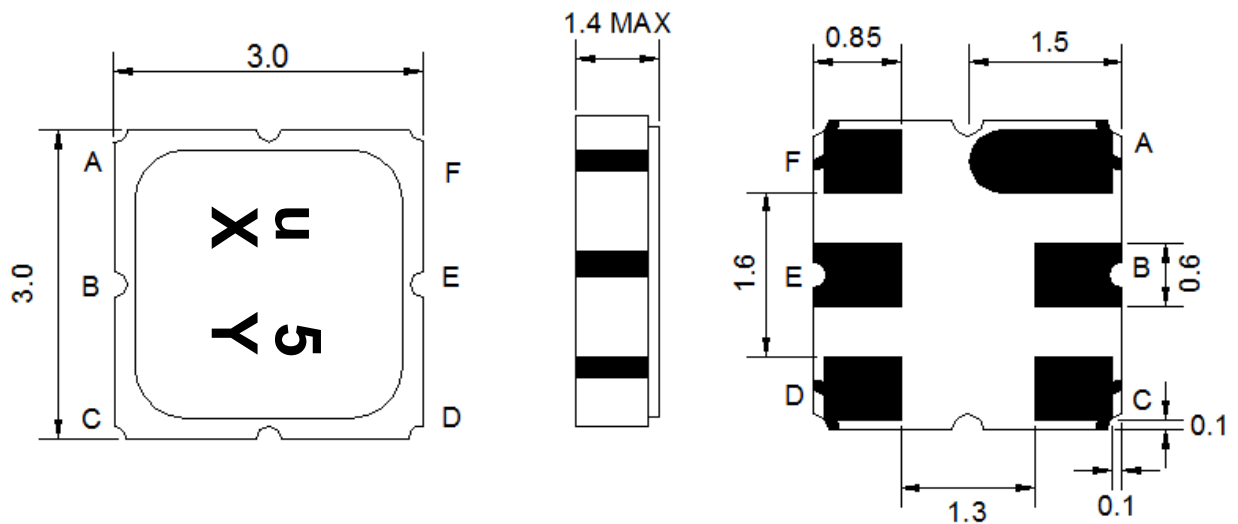
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	869.5	-
Insertion Loss within 863.0 ~ 876.0 MHz	dB	-	2.5	3.5
Amplitude Ripple within 863.0 ~ 876.0 MHz	dB _{p-p}	-	0.8	1.5
Attenuation(Reference level from 0 dB):				
10.0 ~ 820.0 MHz	dB	40	53	-
820.0 ~ 835.0 MHz	dB	35	49	-
912.0 ~ 927.0 MHz	dB	25	34	-
927.0 ~ 972.0 MHz	dB	35	41	-
972.0 ~ 1300.0 MHz	dB	40	55	-
VSWR within 863.0 ~ 876.0 MHz	-	-	1.6	2.0

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

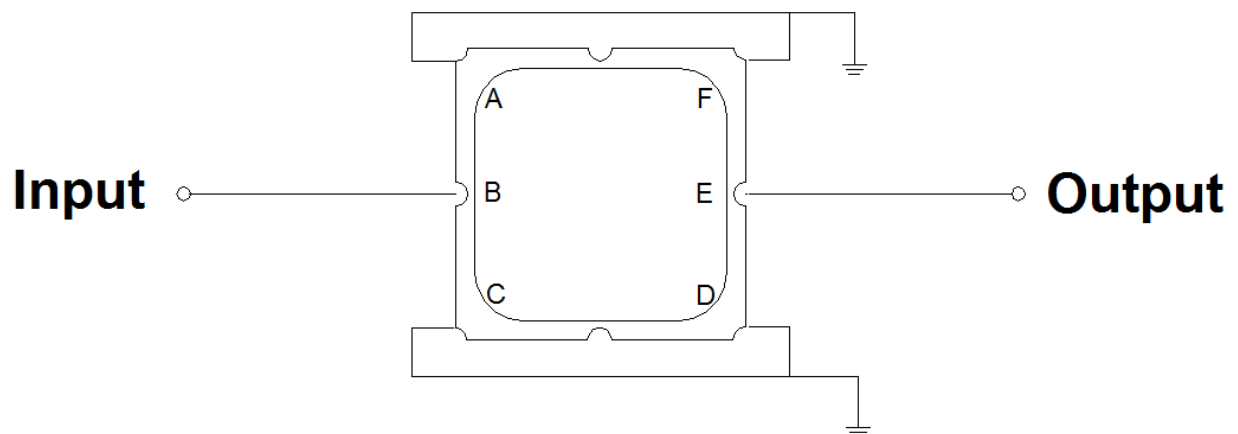
Package Dimensions



Marking Descriptions	
u	ISM-Band Application
5	Series Number
X	Date Code(Year)
Y	Date Code(Month)

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

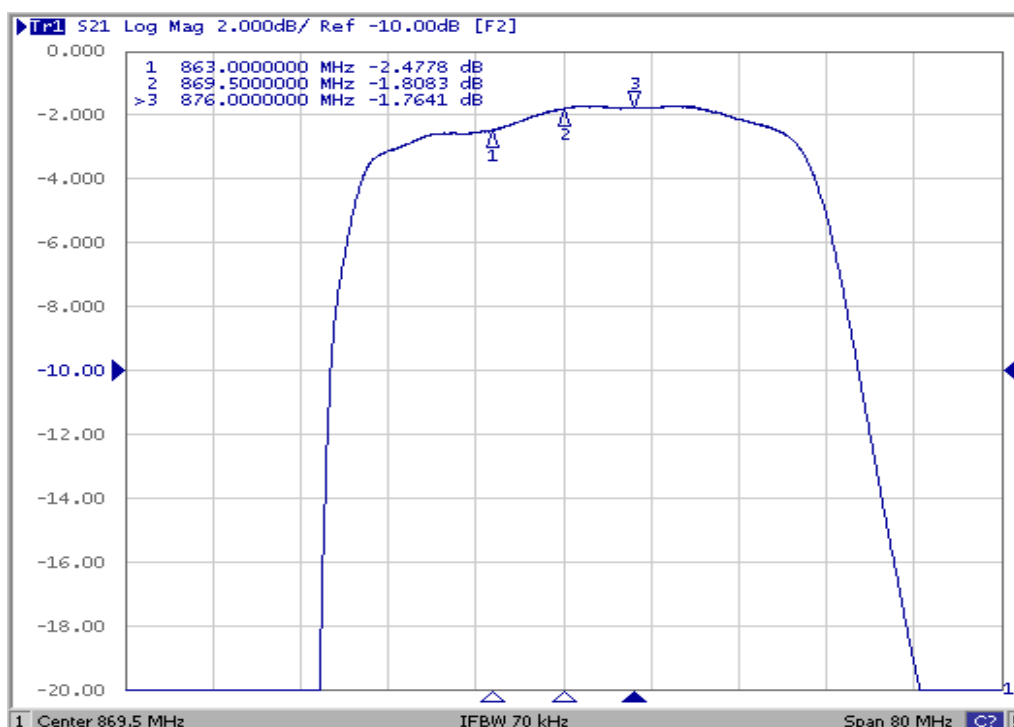
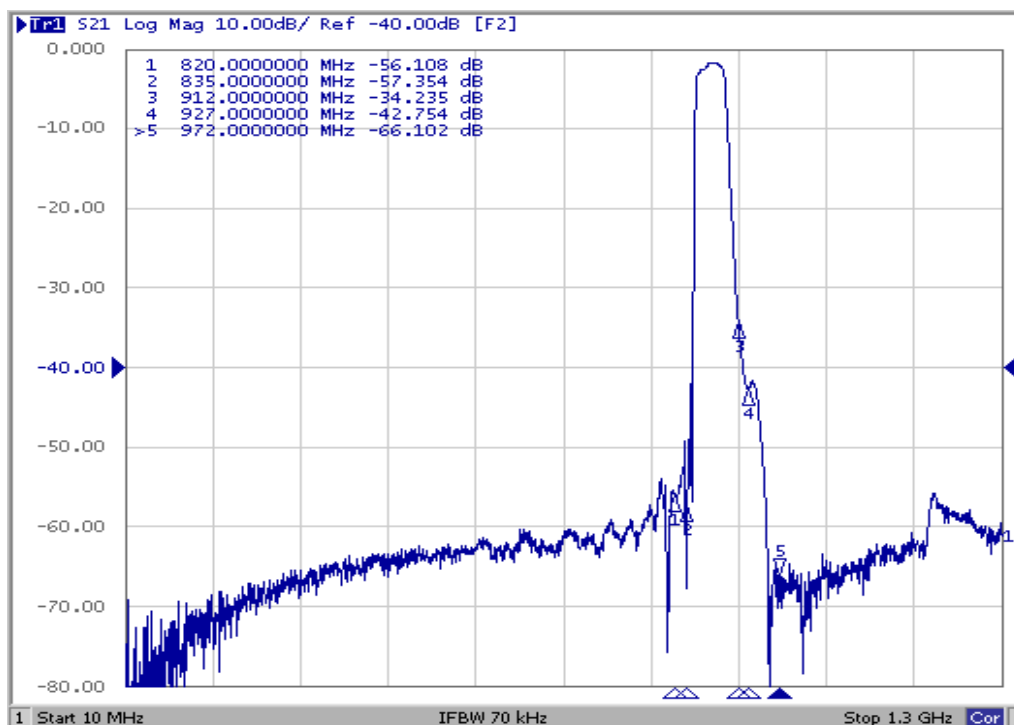
Testing Environment



Source & Load Impedance: 50

□ Frequency Characteristics

Frequency Response



VSWR

