

SF-091507-S27

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



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

□ Electrical Characteristics

Maximum Ratings

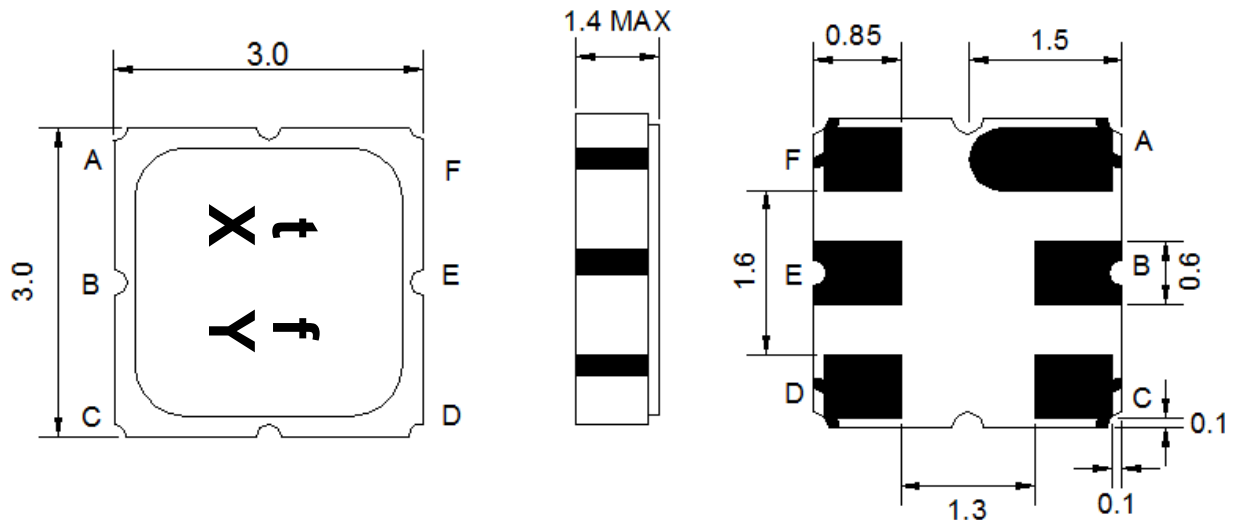
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+60
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency Fc	MHz	-	915.0	-
Insertion loss 910 ~ 920 MHz IL	dB	-	3.0	4.0
Amplitude ripple 910 ~ 920 MHz	dB _{p-p}	-	0.8	2.0
Attenuation (Reference level from 0 dB)				
D.C ~ 880.0 MHz	dB	45	50	-
880.0 ~ 890.0 MHz	dB	40	52	-
940.0 ~ 950.0 MHz	dB	35	40	-
950.0 ~ 1200.0 MHz	dB	43	48	-
1200.0 ~ 1600.0 MHz	dB	40	48	-
1600.0 ~ 2200.0 MHz	dB	30	43	-
2200.0 ~ 2500.0 MHz	dB	25	35	-
2500.0 ~ 3000.0 MHz	dB	20	27	-

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

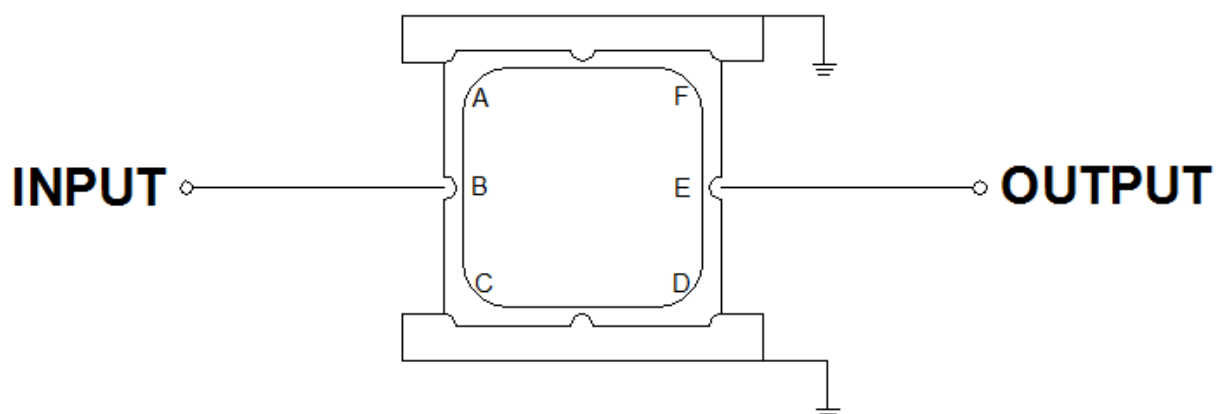
Package Dimensions



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

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

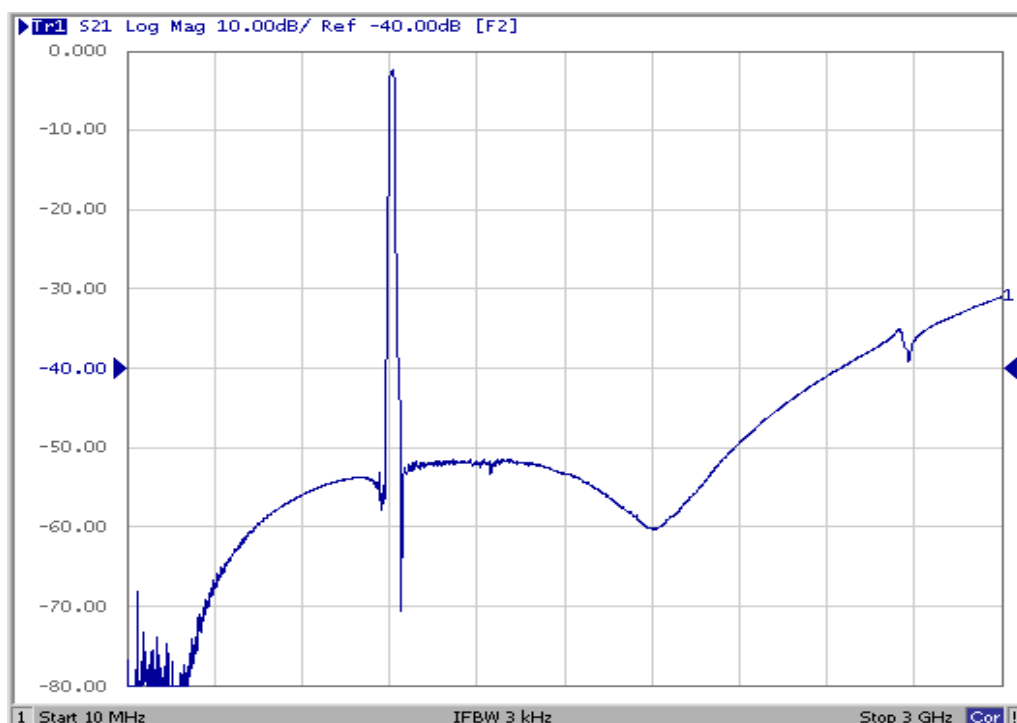
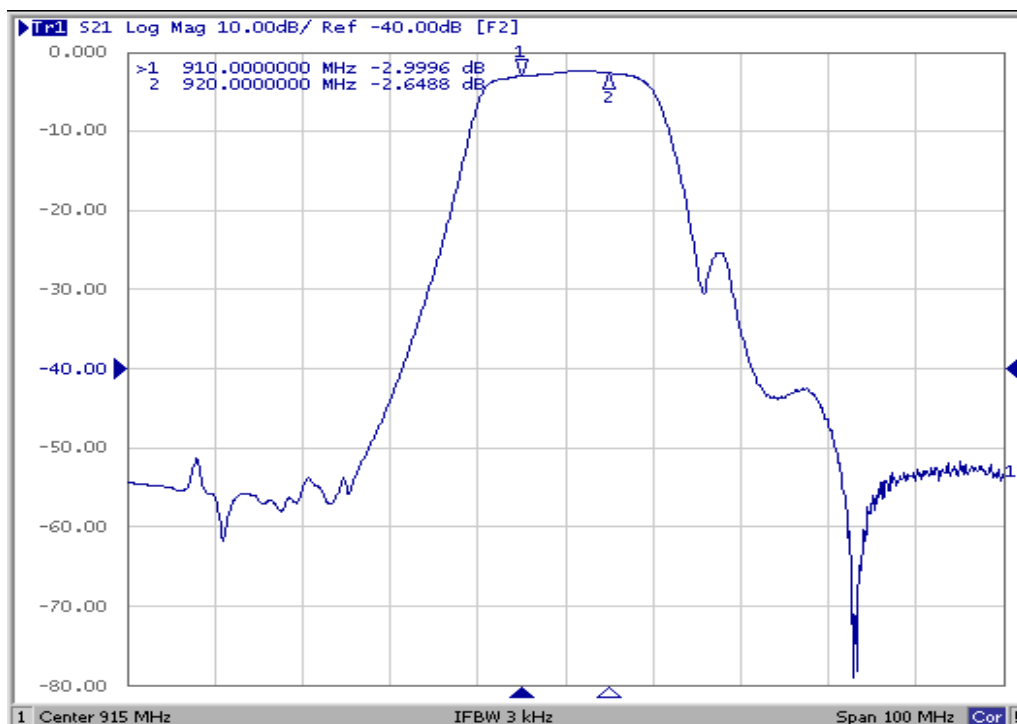
Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR

