

SF-086910-S27

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



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

Maximum Ratings

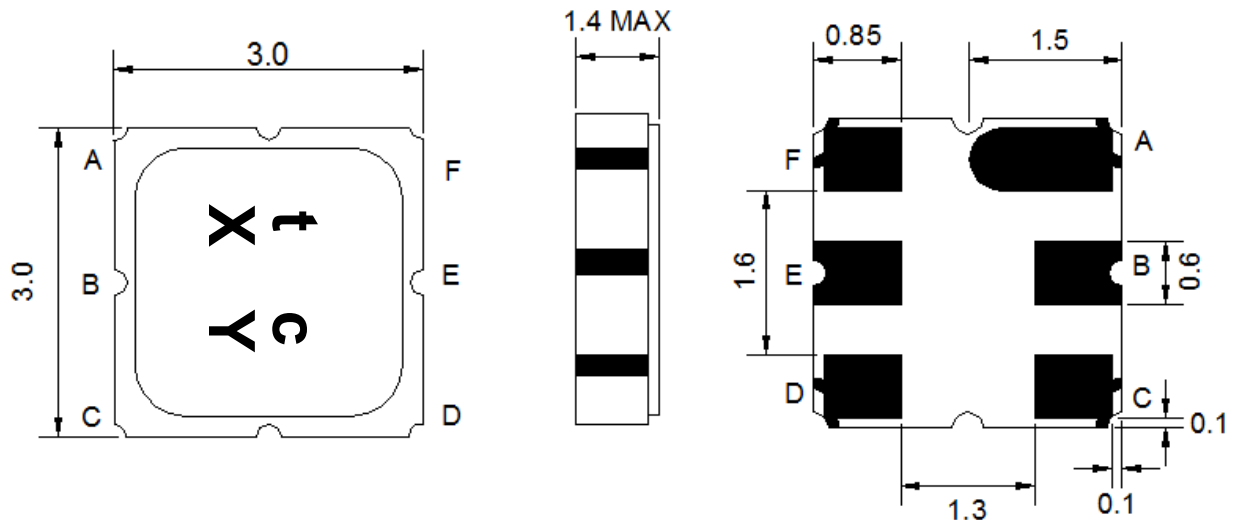
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	6
Maximum Input Power	dBm	-	-	13
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency Fc	MHz	-	869.0	-
Insertion Loss (868~870 MHz) IL	dB		2.3	3.0
Amplitude ripple(868~870 MHz)	dB		0.3	0.6
Attenuation				
100.0 ~ 300.0 MHz	dB	45	50	-
300.0 ~ 845.0 MHz	dB	40	45	-
845.0 ~ 853.0 MHz	dB	38	43	-
879.0 ~ 883.0 MHz	dB	15	30	-
883.0 ~ 915.0 MHz	dB	40	45	-
915.0 ~ 945.0 MHz	dB	45	50	-
945.0 ~ 1200.0 MHz	dB	45	55	-
1200.0 ~ 2000.0 MHz	dB	35	40	-

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

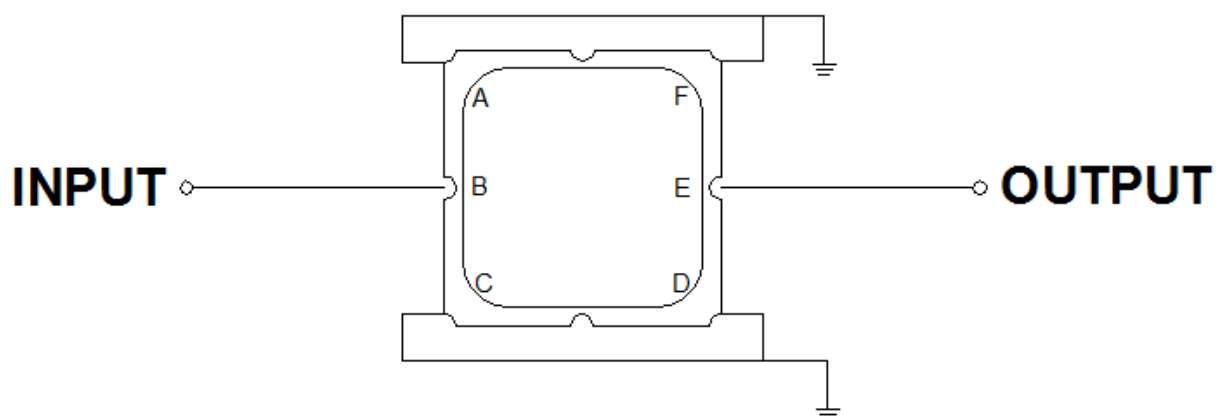
Package Dimensions



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

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

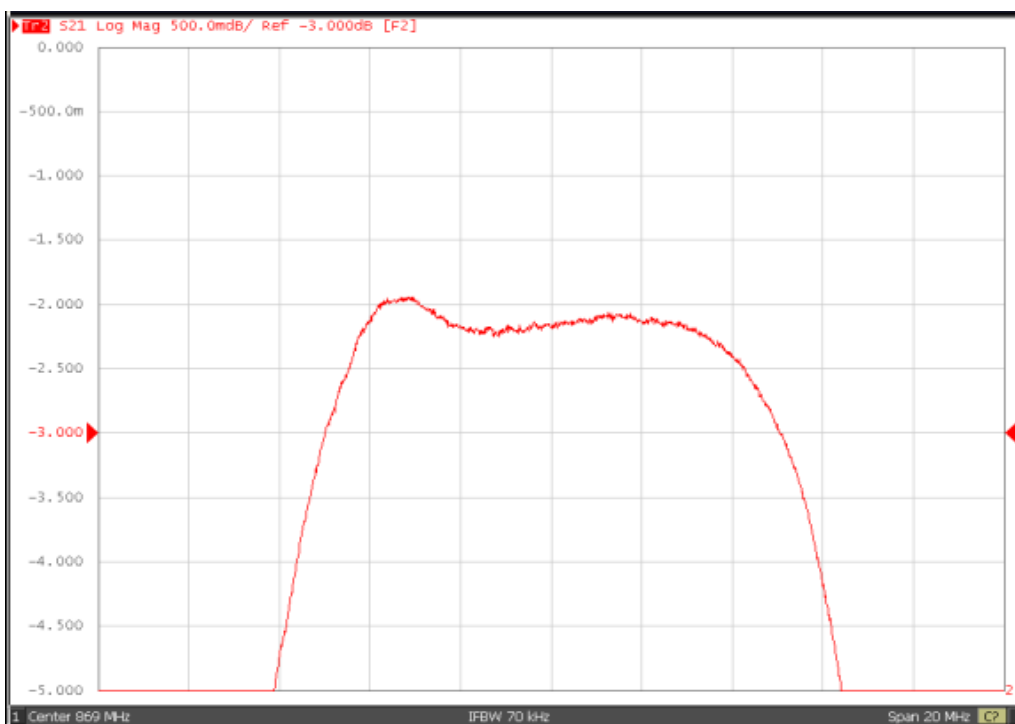
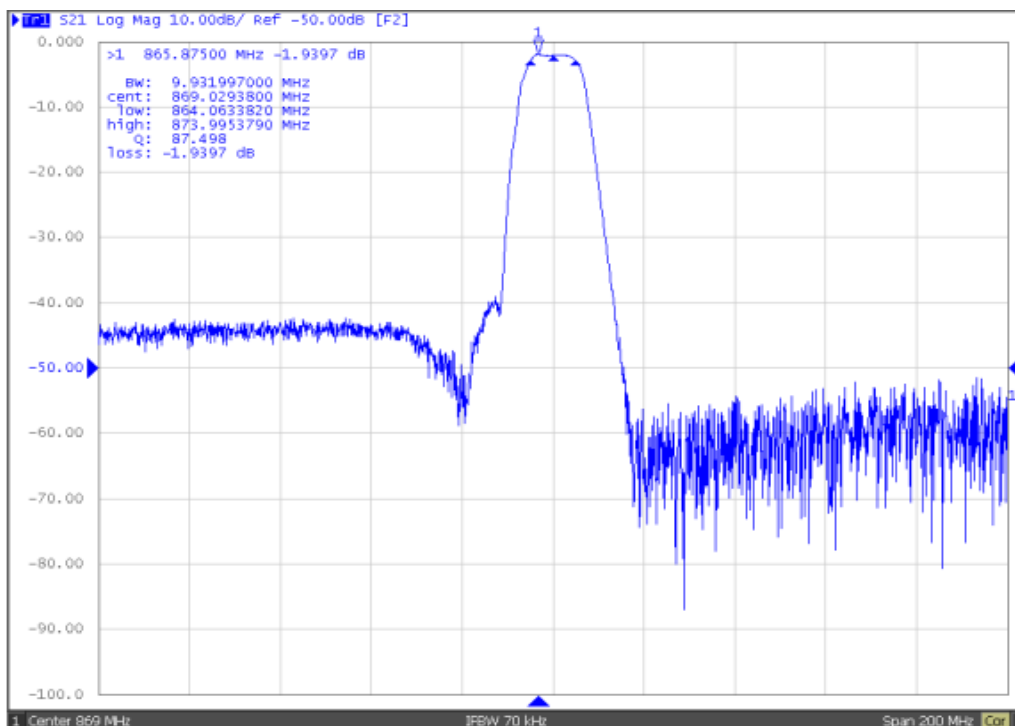
Testing Environment

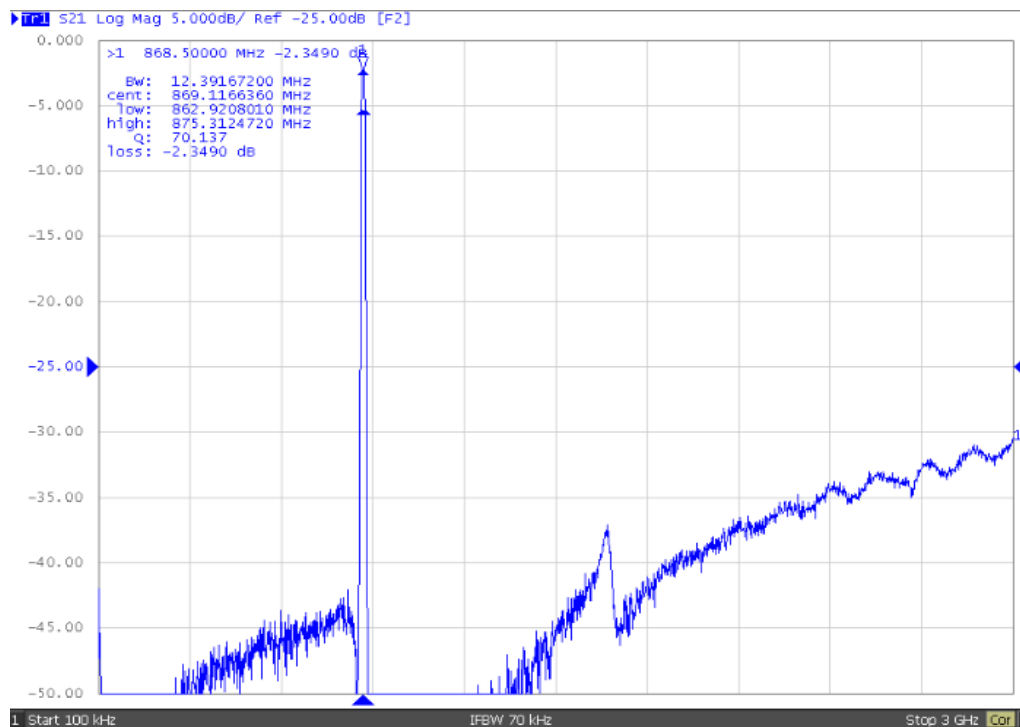


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





Smith chart

