

SF-086802-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

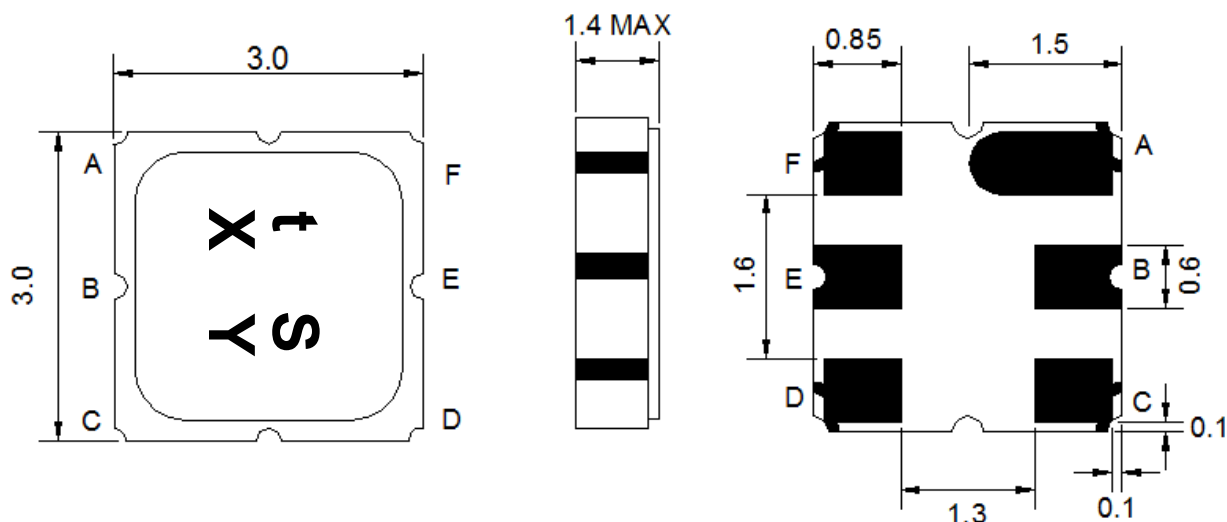
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+125
Storage Temperature Range	°C	-40	-	+125
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency, Fc	MHz	-	868.3	-
Insertion Loss	dB	-	3.0	3.8
3dB Bandwidth (from Fc)	MHz	±0.3	1.6	-
Stop Band Attenuation:(from minimum loss point)				
10.0 ~ 600.0 MHz	dB	50	64	-
600.0 ~ 850.0 MHz	dB	33	38	-
850.0 ~ 860.0 MHz	dB	10	36	-
860.0 ~ 865.5 MHz	dB	20	25	-
871.0 ~ 878.0 MHz	dB	10	23	-
878.0 ~ 1000.0 MHz	dB	21	26	-
1000.0 ~ 1300.0 MHz	dB	40	49	-
1300.0 ~ 2500.0 MHz	dB	30	65	-

Notes : (1)With Matching Network (Ref. Testing Environment Circuit as shown below).

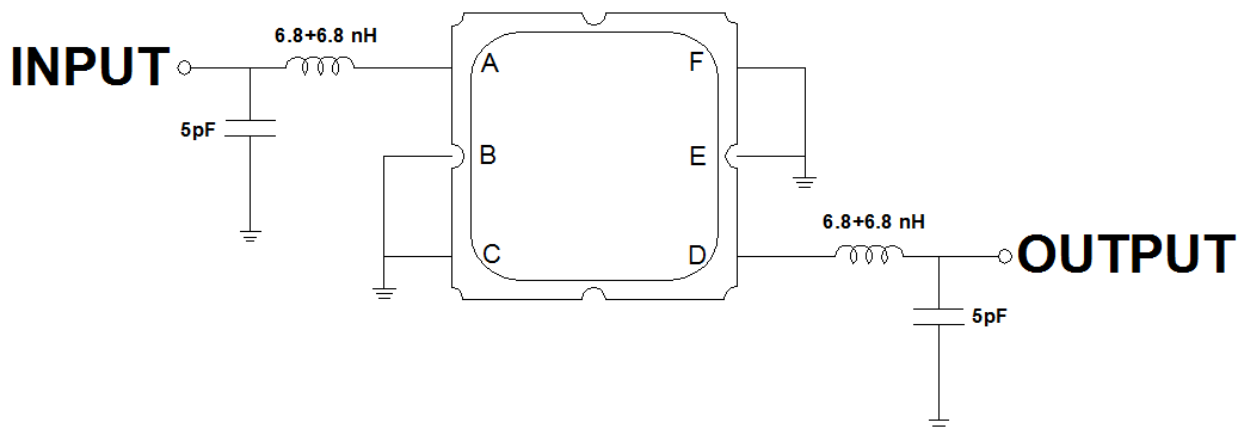
Package Dimensions



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

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

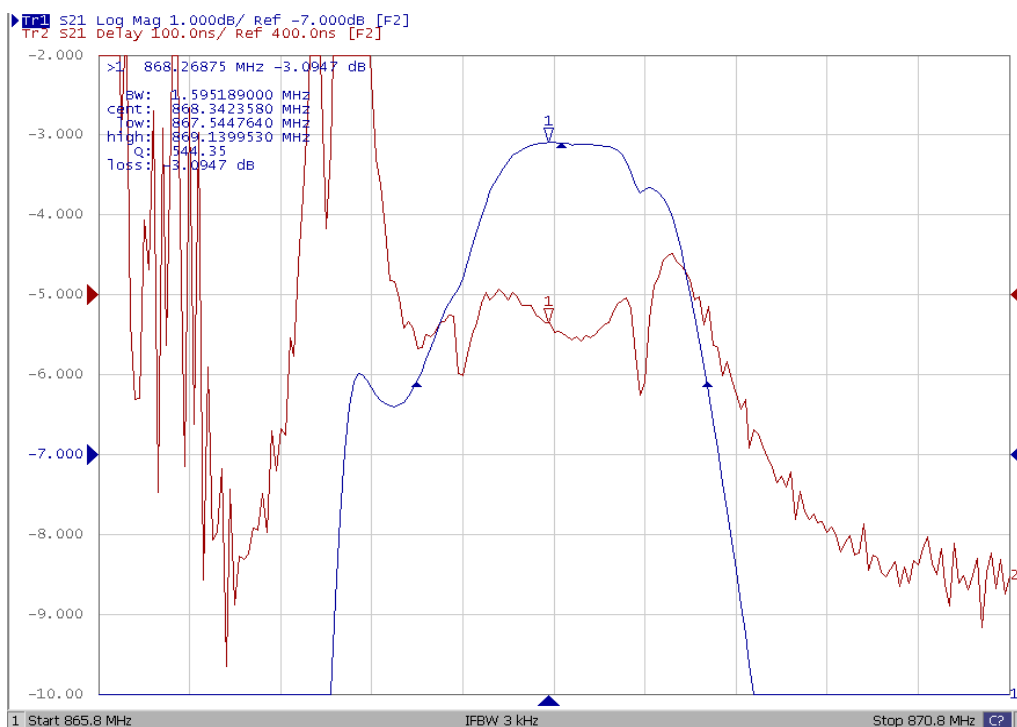
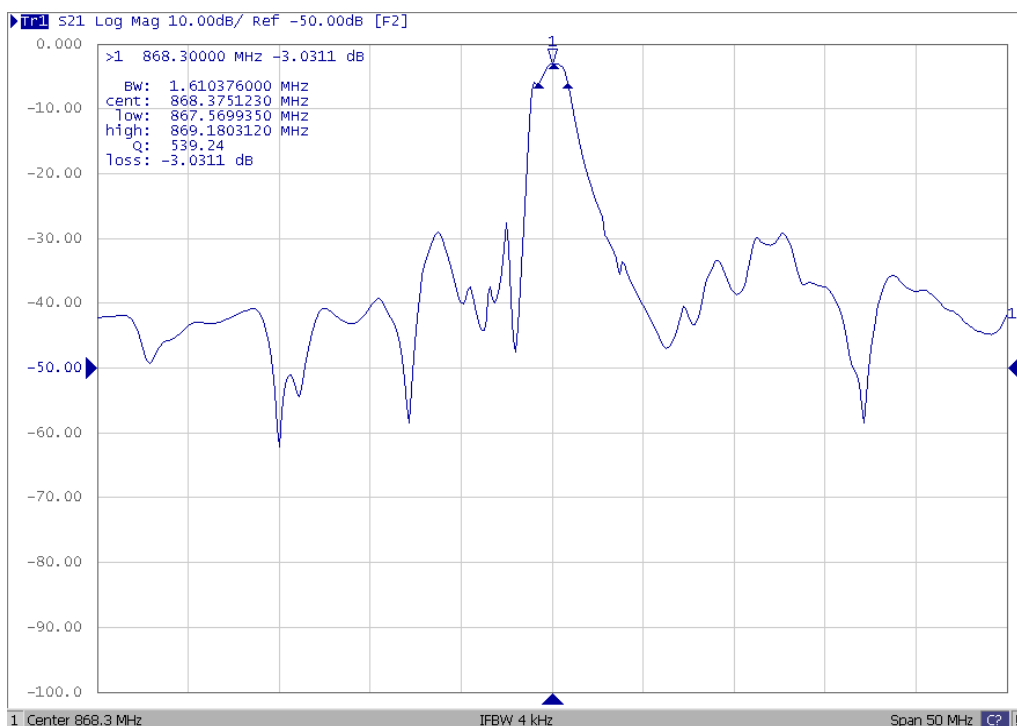
Testing Environment

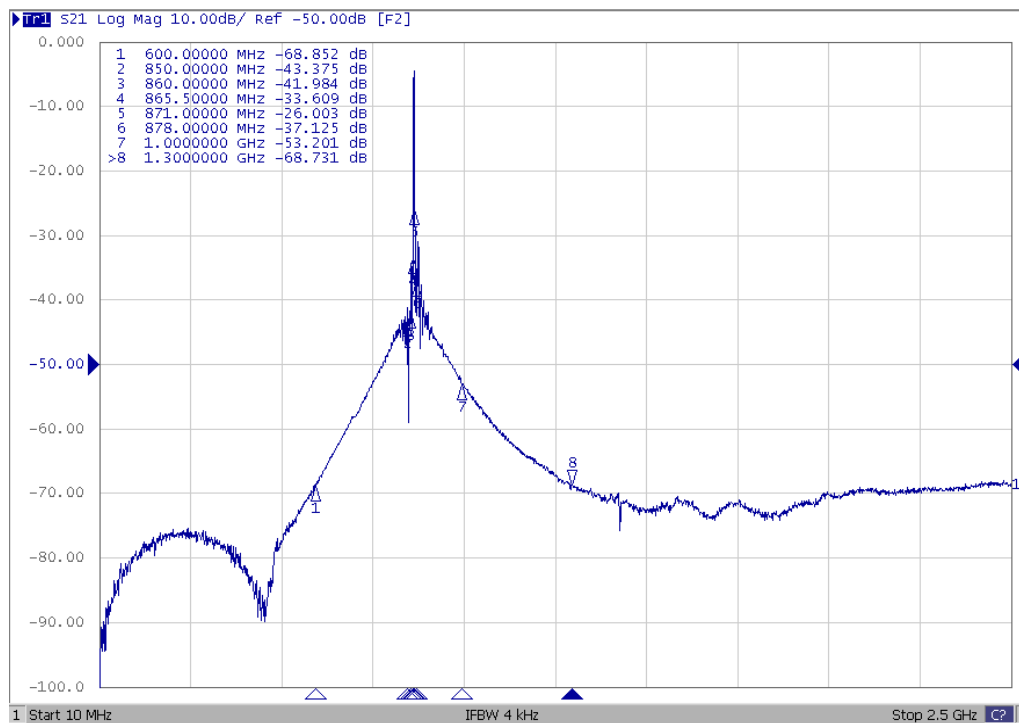


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





Smith chart

