

SF-086602-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

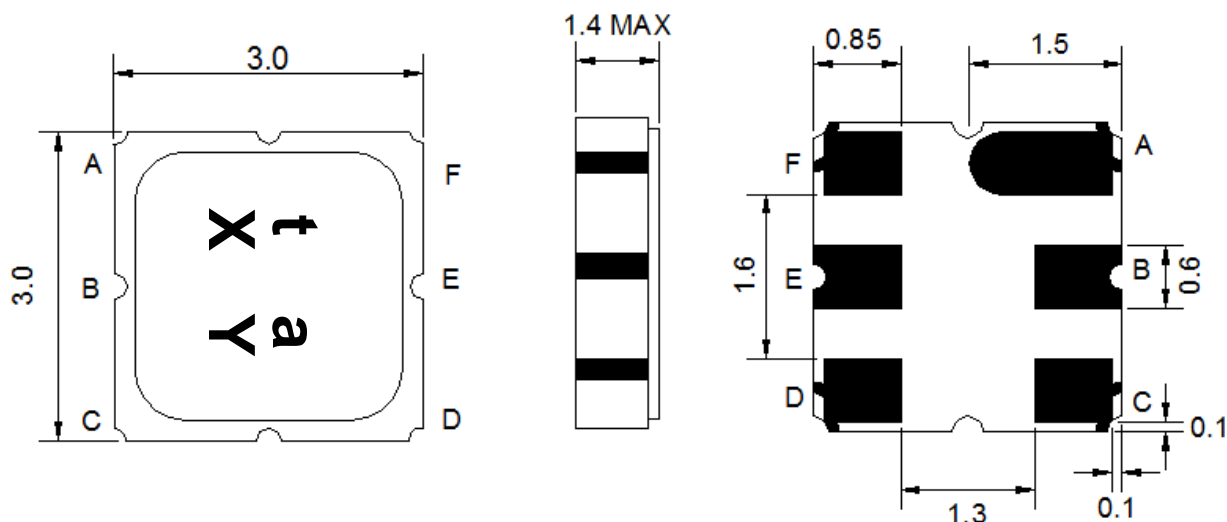
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	13
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency Fc	MHz	-	866.0	-
Insertion loss (863.0 ~ 870.0 MHz) IL	dB	-	2.6	3.5
Amplitude ripple (863.0 ~ 870.0 MHz)	dB	-	0.6	1.2
Attenuation				
10.0 ~ 300.0 MHz	dB	45	50	-
300.0 ~ 840.0 MHz	dB	40	45	-
883.0 ~ 892.0 MHz	dB	30	35	-
892.0 ~ 1000.0 MHz	dB	30	35	-

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

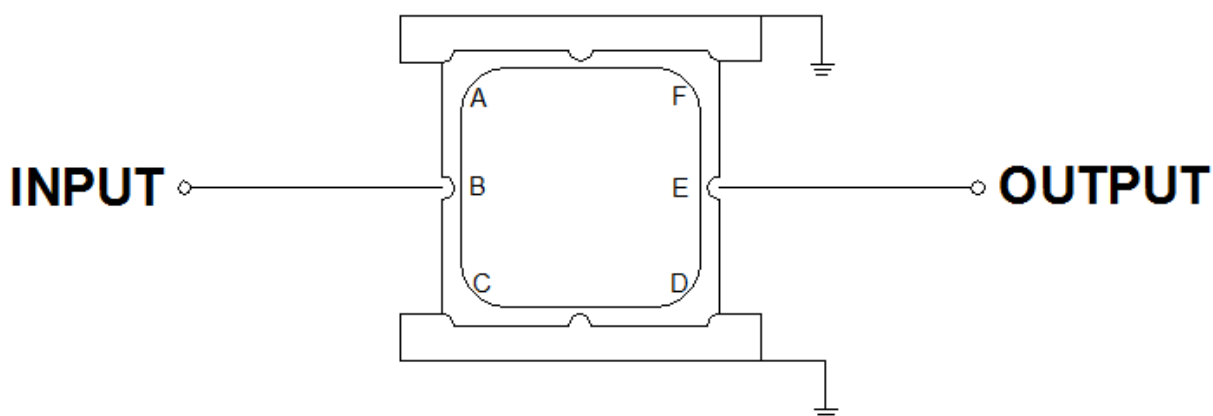
Package Dimensions



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

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

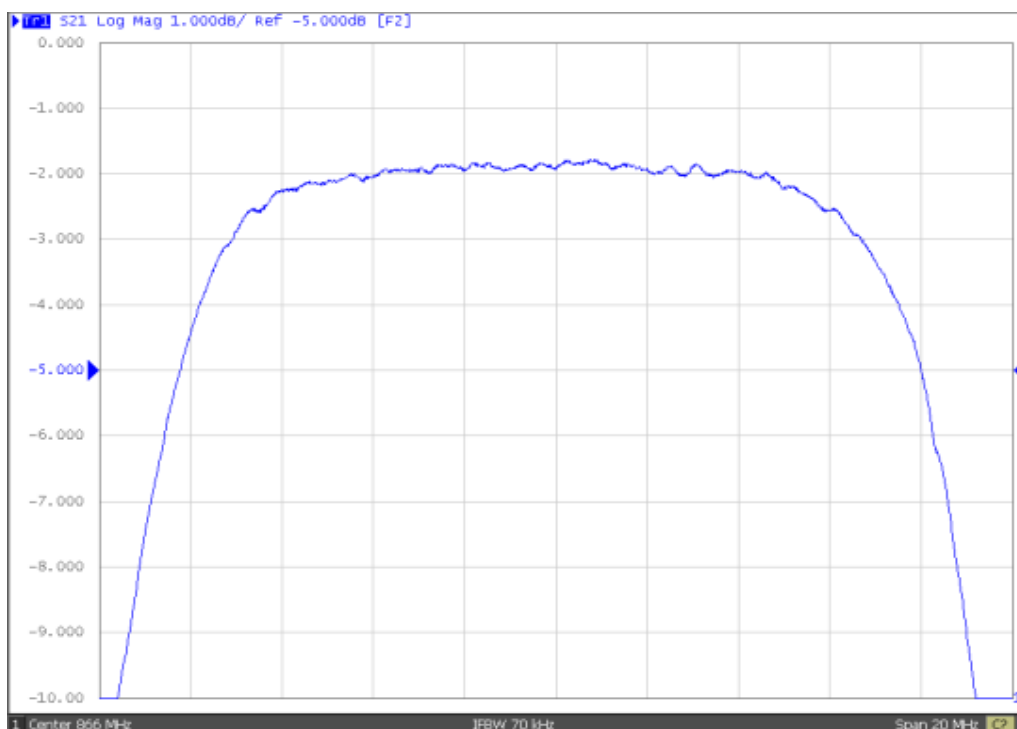
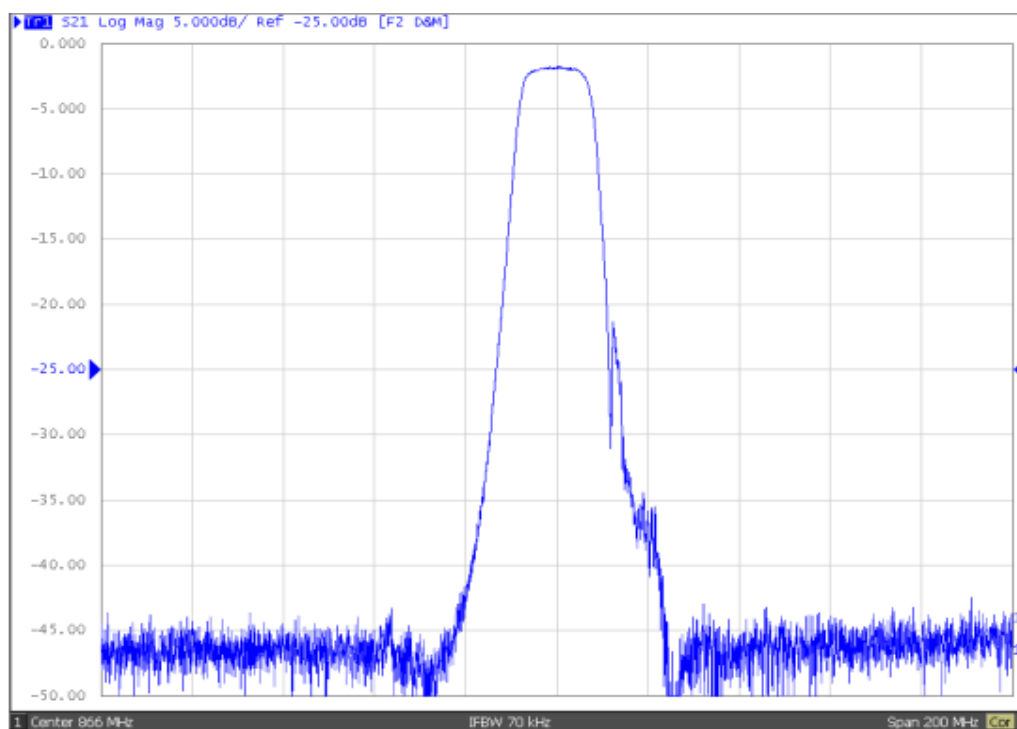
Testing Environment

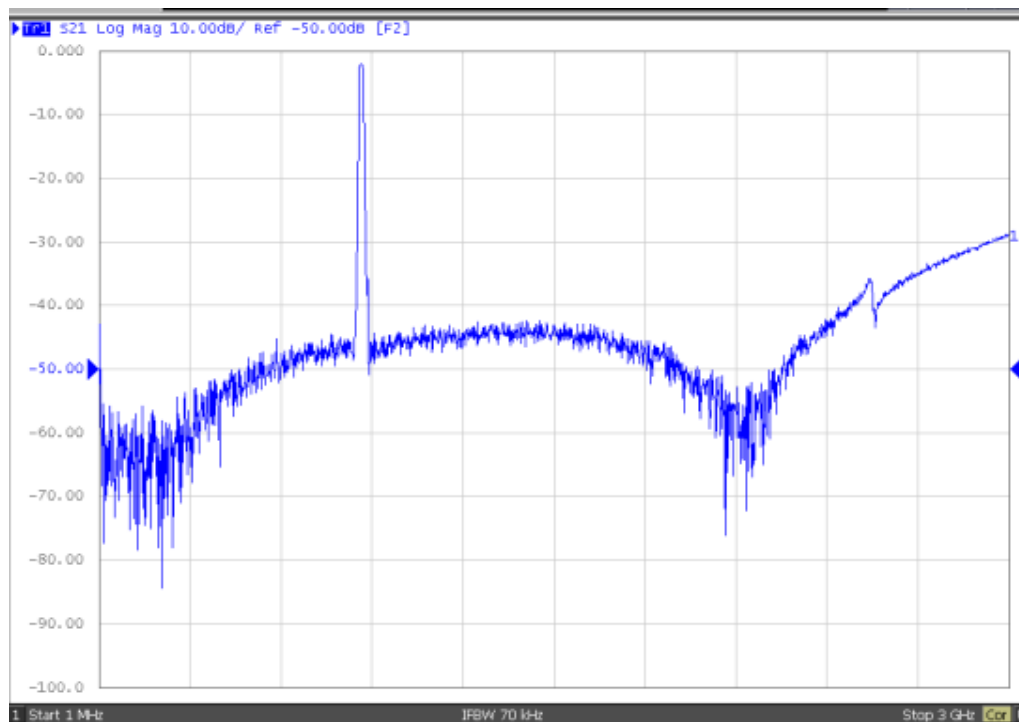


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





Smith Chart

