

SF-043309-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

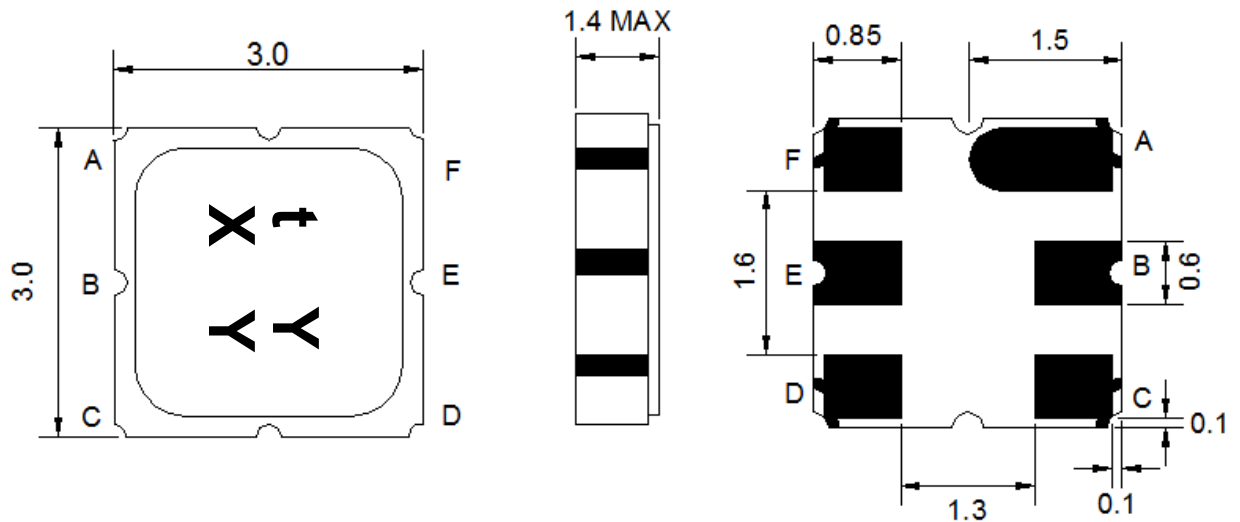
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			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

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency Fc	MHz	-	433.92	-
Insertion loss (433.12 ~ 434.72 MHz) IL	dB	-	2.2	2.9
Amplitude ripple (433.12 ~ 434.72 MHz)	dB	-	0.4	1.0
VSWR (433.12 ~ 434.72 MHz)	-	-	1.6	2.0
Attenuation (Reference level from Max IL dB)				
10.0 ~ 380.0 MHz	dB	58	61	-
380.0 ~ 423.42 MHz	dB	46	50	-
443.42 ~ 453.42 MHz	dB	25	30	-
453.42 ~ 460.0 MHz	dB	35	40	-
460.0 ~ 700.0 MHz	dB	50	54	-
700.0 ~ 1000.0 MHz	dB	42	46	-

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

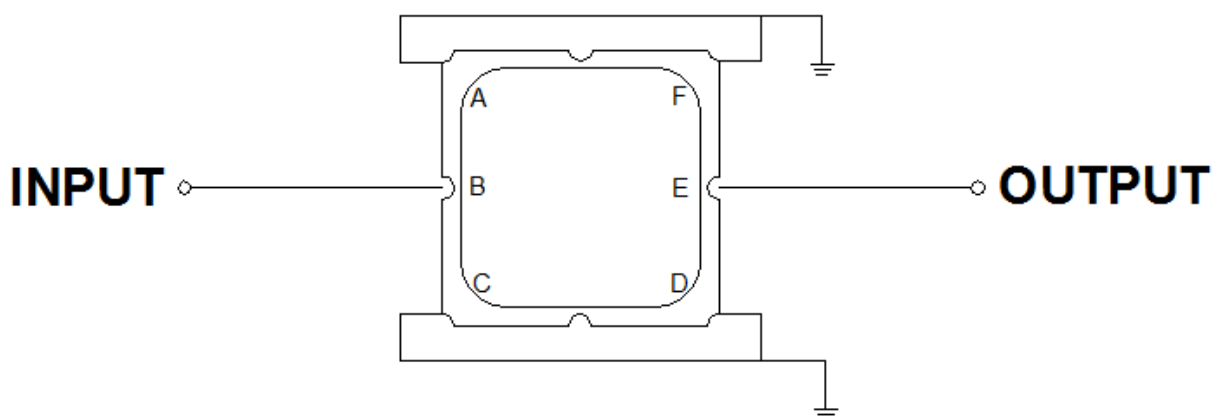
Package Dimensions



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

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

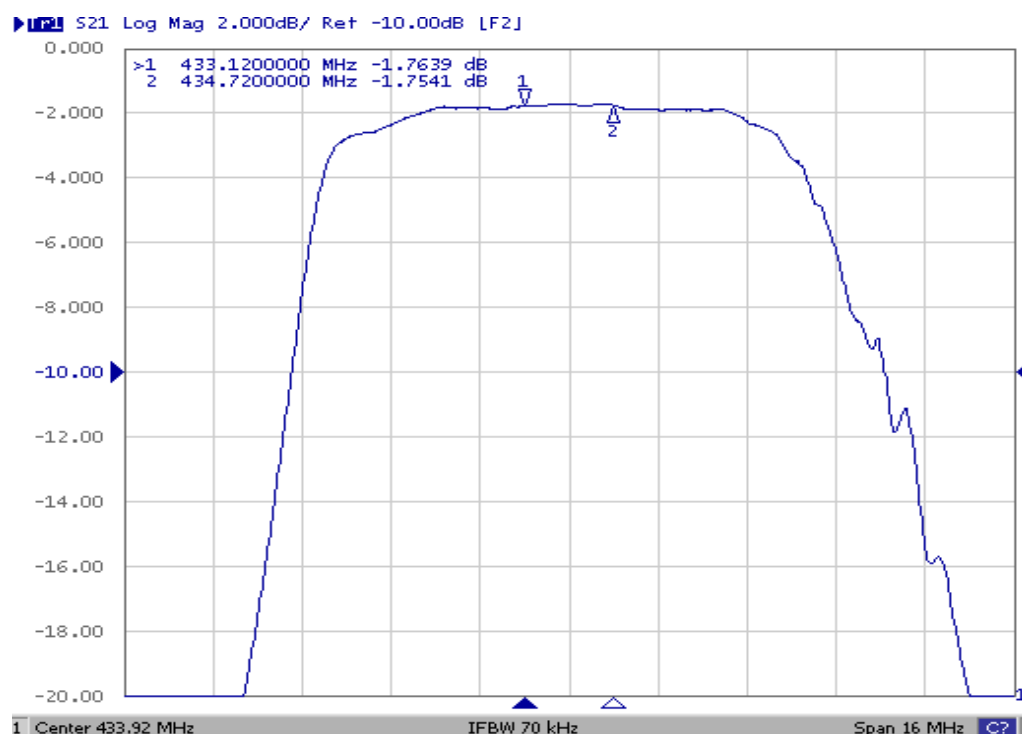
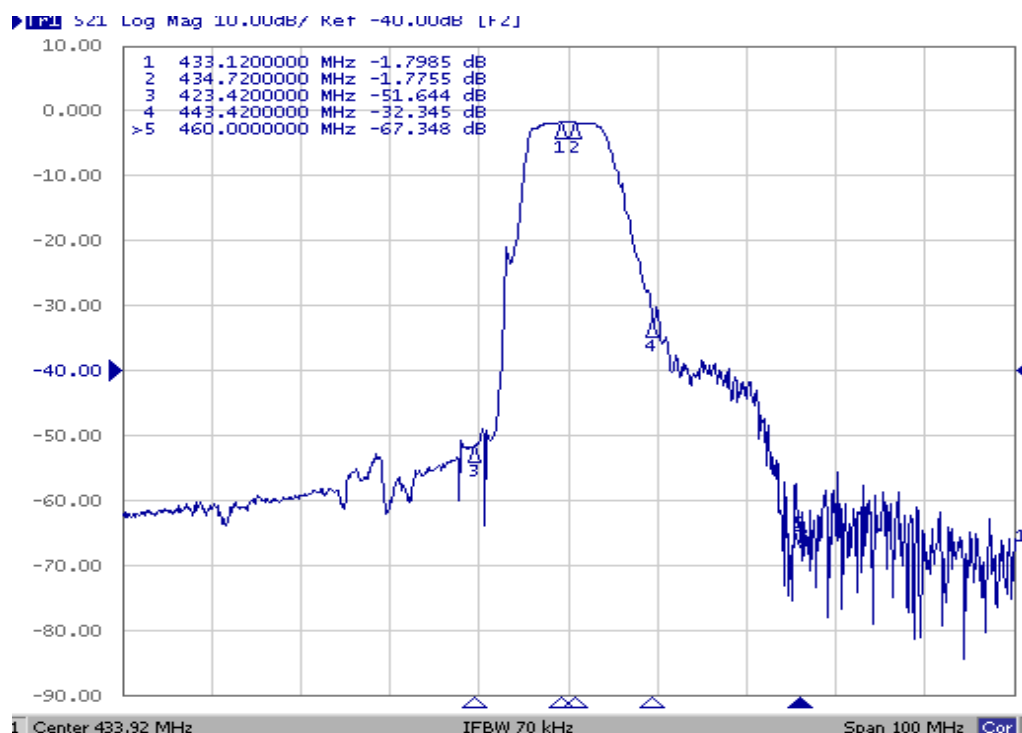
Testing Environment

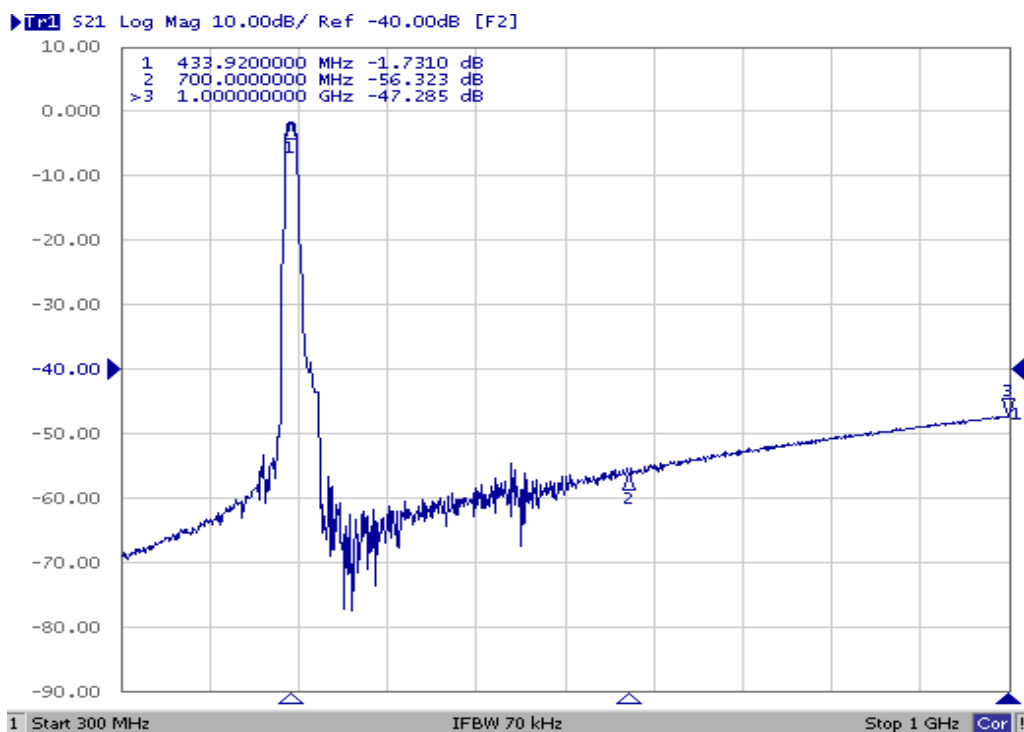


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





VSWR

