

SF-091604-S27

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



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

Maximum Ratings

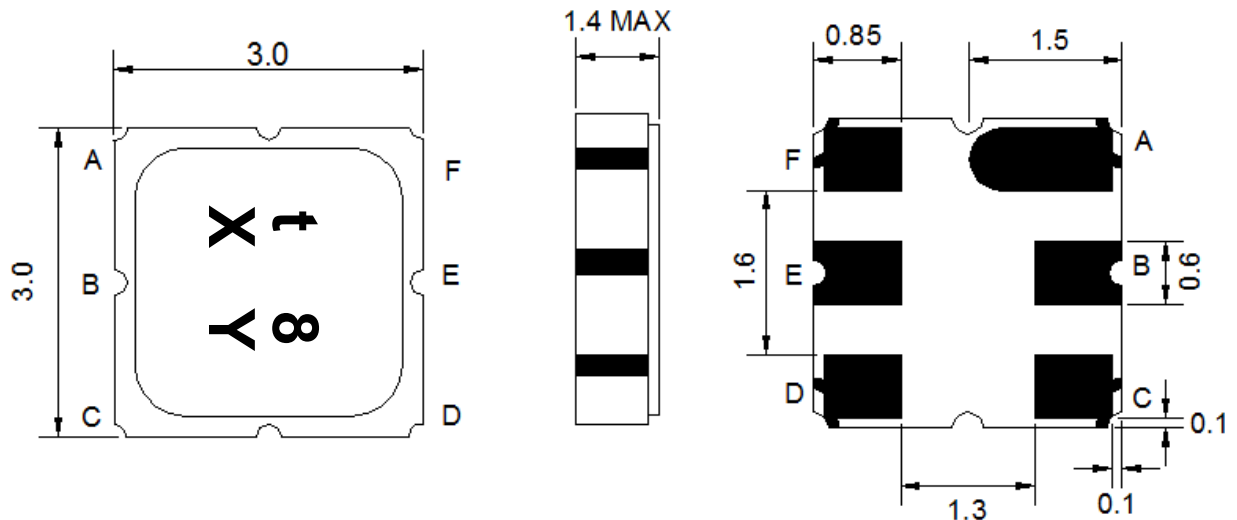
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	20
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	916.45	-
Insertion Loss within 914.45 ~ 918.45 MHz	dB	-	2.7	3.5
Amplitude Ripple within 914.45 ~ 918.45 MHz	dB _{p-p}	-	0.3	1.0
Attenuation:				
10.0 ~ 600.0 MHz	dB	50	57	-
600.0 ~ 840.0 MHz	dB	40	51	-
869.0 ~ 894.0 MHz	dB	35	46	-
930.0 ~ 937.0 MHz	dB	8	13	-
970.0 ~ 1500.0 MHz	dB	40	47	-
1500.0 ~ 3000.0 MHz	dB	25	32	-
VSWR within 914.45 ~ 918.45 MHz	-	-	1.5	2.0

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

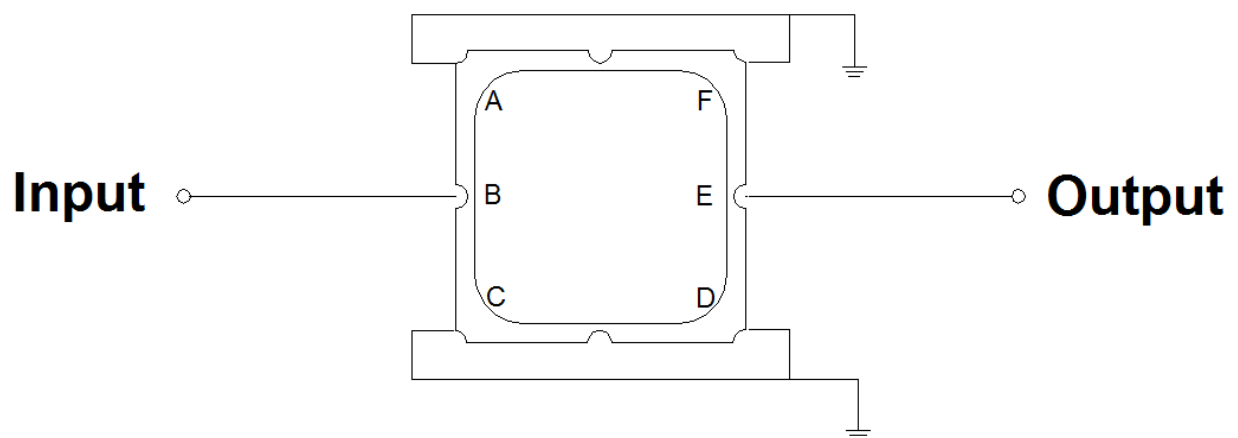
Package Dimensions



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

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

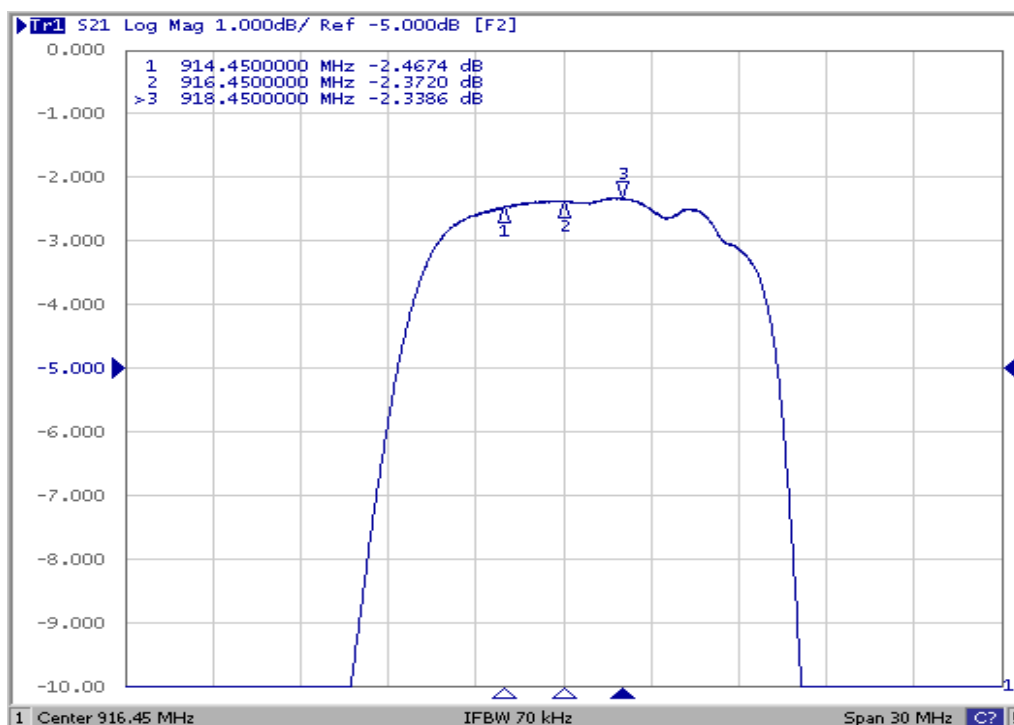
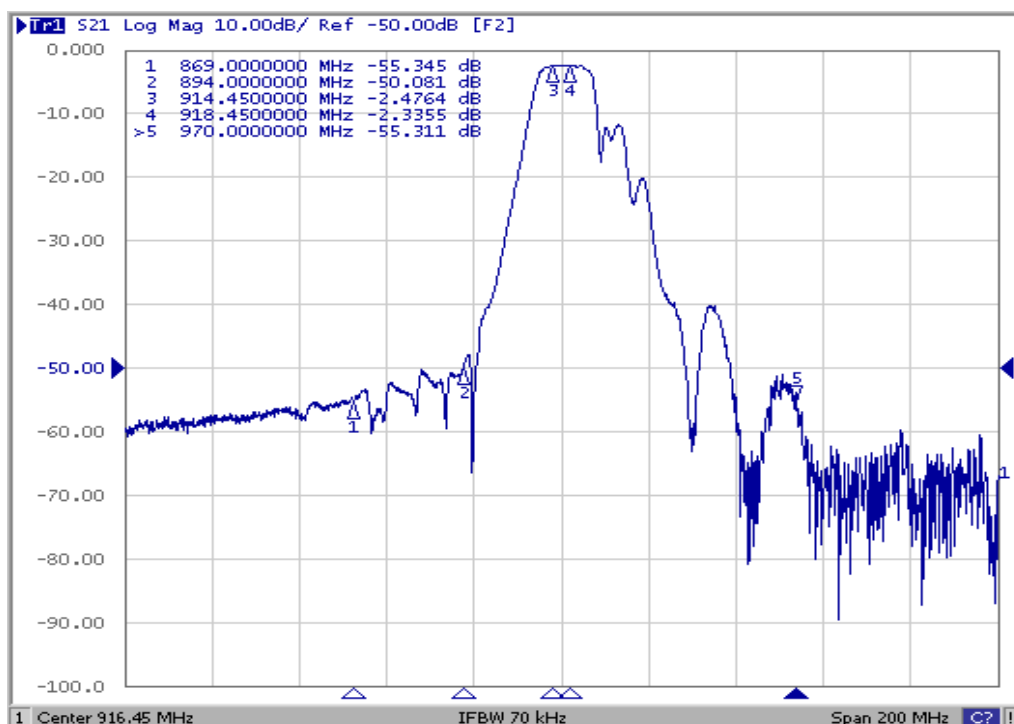
Testing Environment



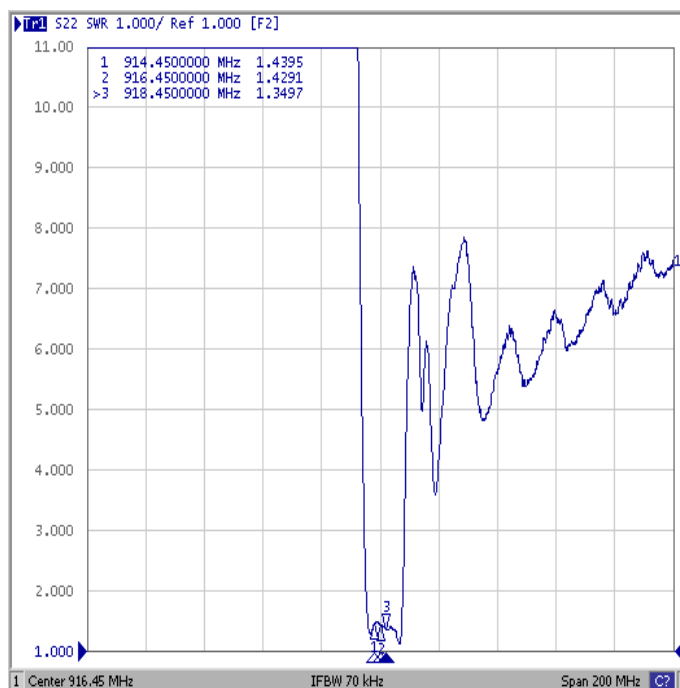
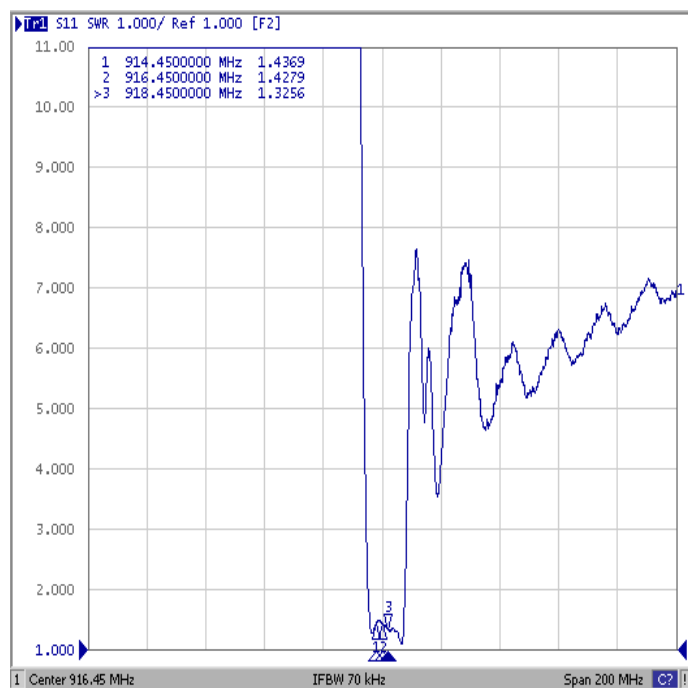
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



VSWR



Smith chart

