

SF-091508-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

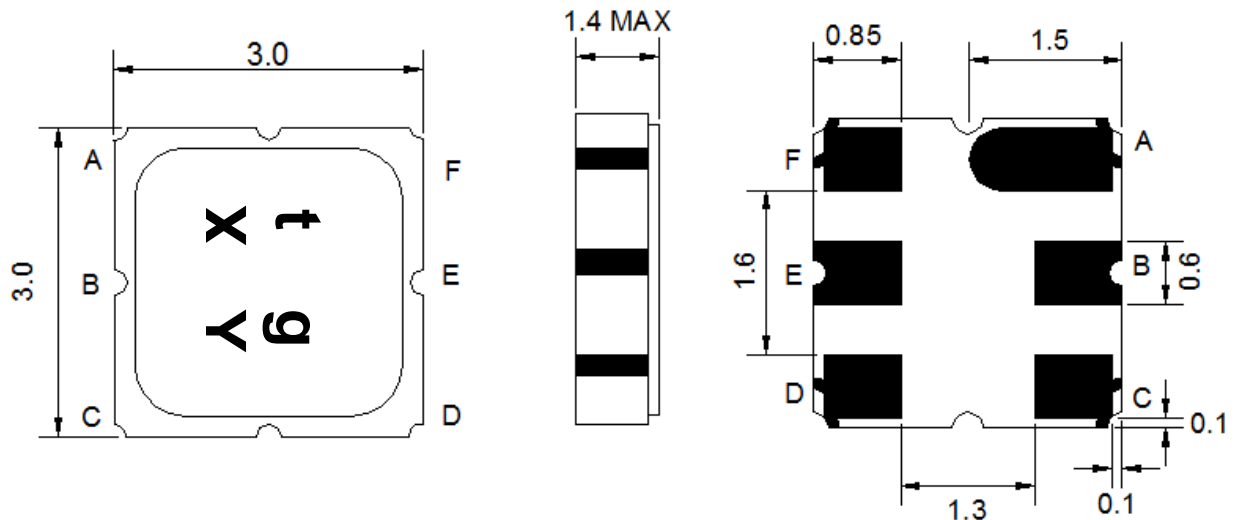
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+125
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	15
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency Fc	MHz	-	915.0	-
Insertion Loss (902.0 ~ 928.0 MHz) IL	dB	-	1.9	4.0
Amplitude Ripple (902.0 ~ 928.0 MHz)	dB	-	1.0	3.2
VSWR (902.0 ~ 928.0 MHz)		-	1.8	2.2
Attenuation (Reference level from 0 dB)				
10.0 ~ 800.0 MHz	dB	35	37	-
800.0 ~ 888.0 MHz	dB	36	38	-
888.0 ~ 890.0 MHz	dB	24	31	-
890.0 ~ 894.0 MHz	dB	5	18	-
940.0 ~ 941.0 MHz	dB	27	47	-
941.0 ~ 967.0 MHz	dB	35	49	-
967.0 ~ 1350.0 MHz	dB	37	39	-
1350.0 ~ 1600.0 MHz	dB	35	42	-
1600.0 ~ 2000.0 MHz	dB	30	45	-
2000.0 ~ 2500.0 MHz	dB	28	35	-

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

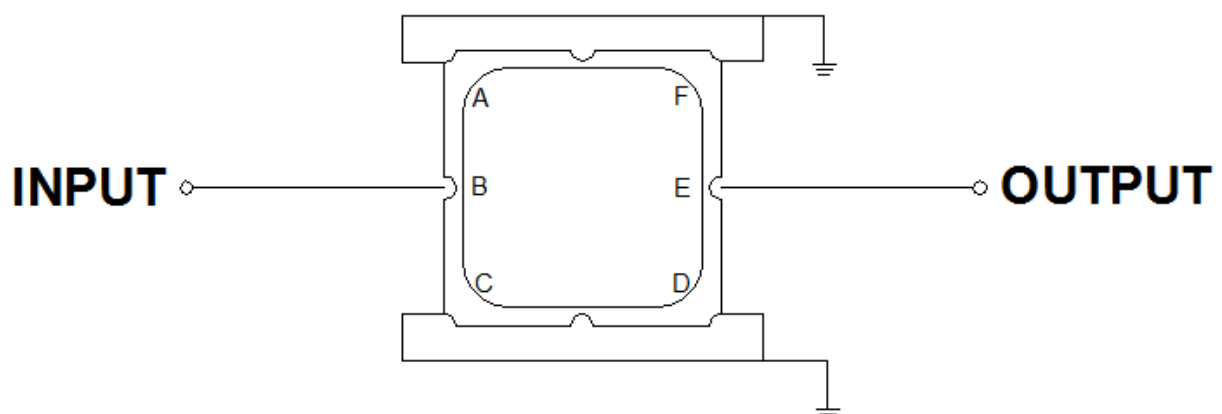
Package Dimensions



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

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

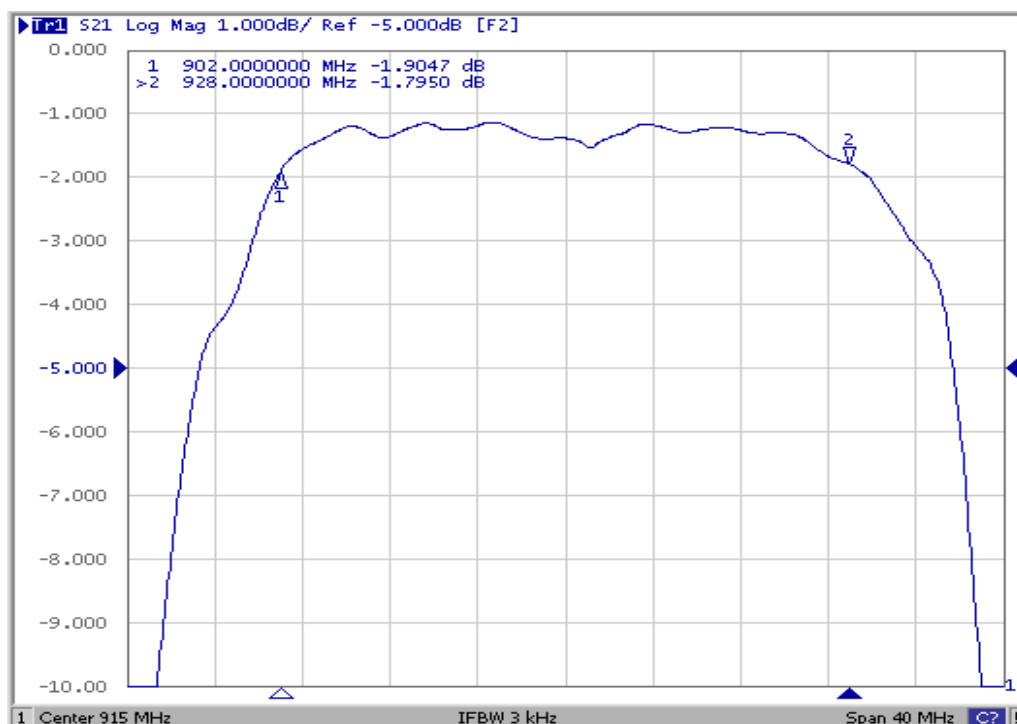
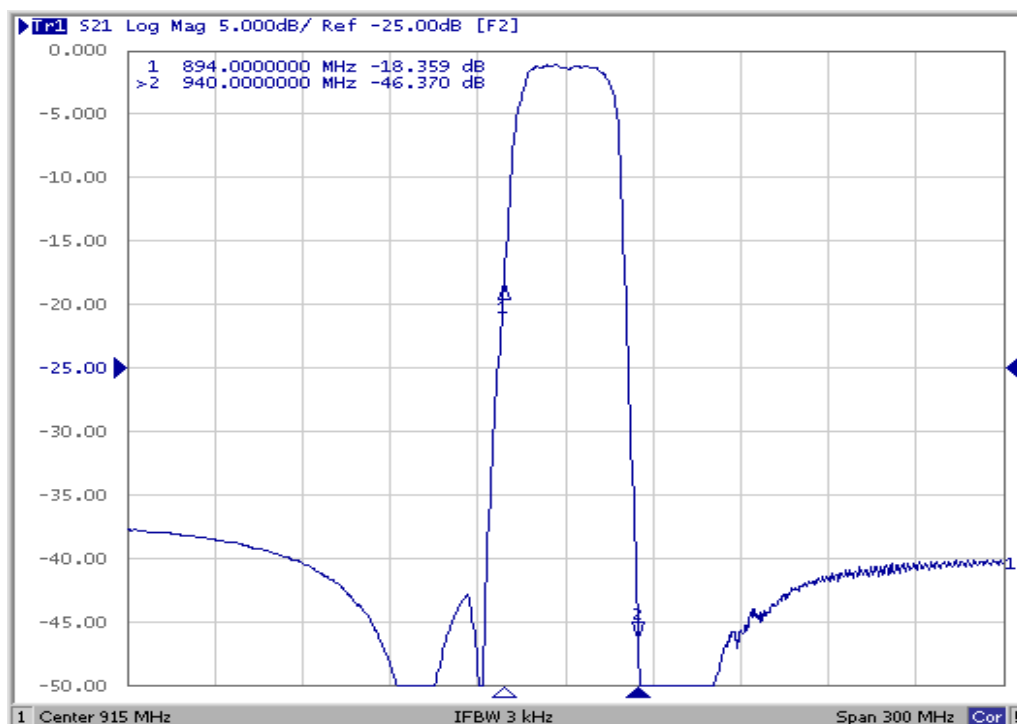
Testing Environment

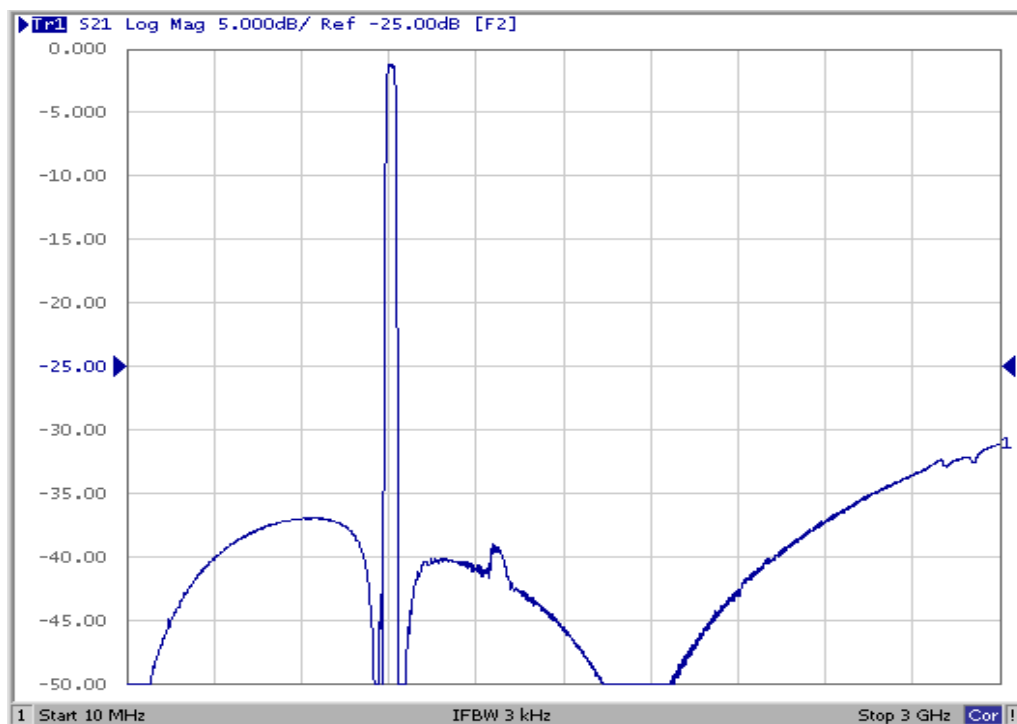


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





VSWR

