

SF-092504-S27

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



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

Maximum Ratings

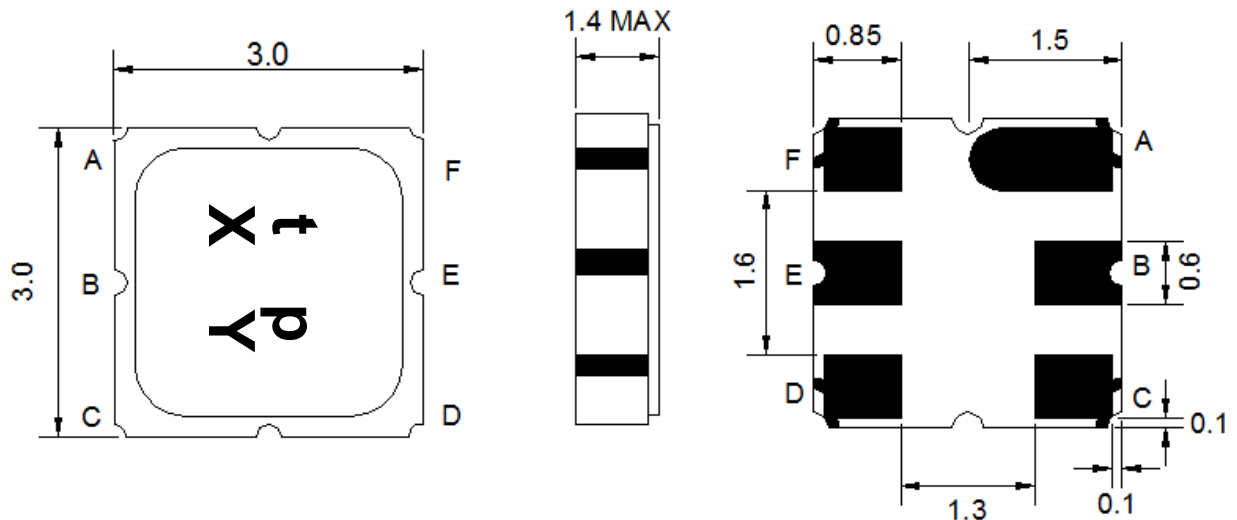
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	6
Maximum Input Power	dBm	-	-	13
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S27			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency F_c	MHz	-	925.2	-
Insertion Loss (922.3 ~ 928.1 MHz) IL	dB	-	2.5	3.5
Amplitude ripple (922.3 ~ 928.1 MHz)	dB	-	0.6	1.5
VSWR Input (922.3 ~ 928.1 MHz)	-	-	1.4	2.0
VSWR Output (922.3 ~ 928.1 MHz)	-	-	1.4	2.0
Attenuation				
10.0 ~ 815.0 MHz	dB	42	45	-
815.0 ~ 875.0 MHz	dB	40	45	-
875.0 ~ 905.0 MHz	dB	35	40	-
905.0 ~ 915.0 MHz	dB	11	15	-
945.0 ~ 950.0 MHz	dB	35	40	-
950.0 ~ 1150.0 MHz	dB	50	55	-
1150.0 ~ 1856.0 MHz	dB	32	35	-
1856.0 ~ 2500.0 MHz	dB	32	35	-

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

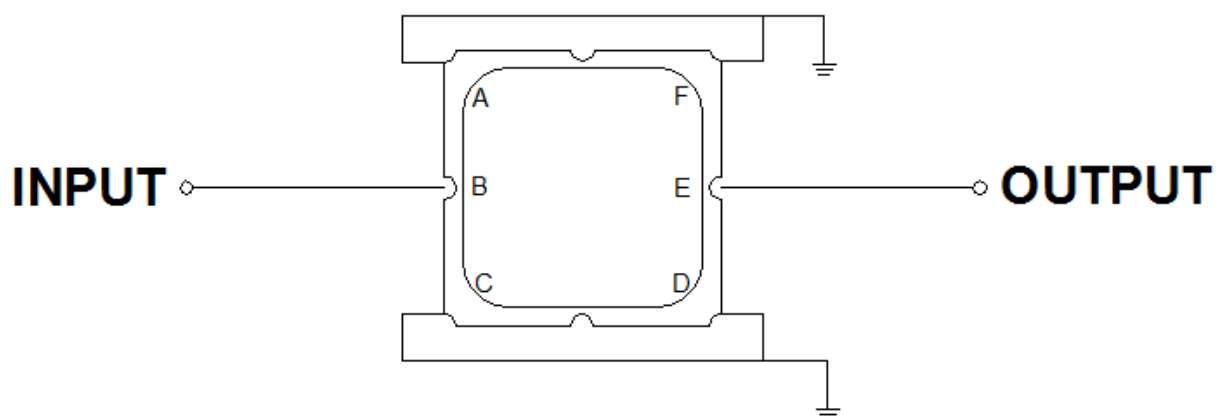
Package Dimensions



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

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

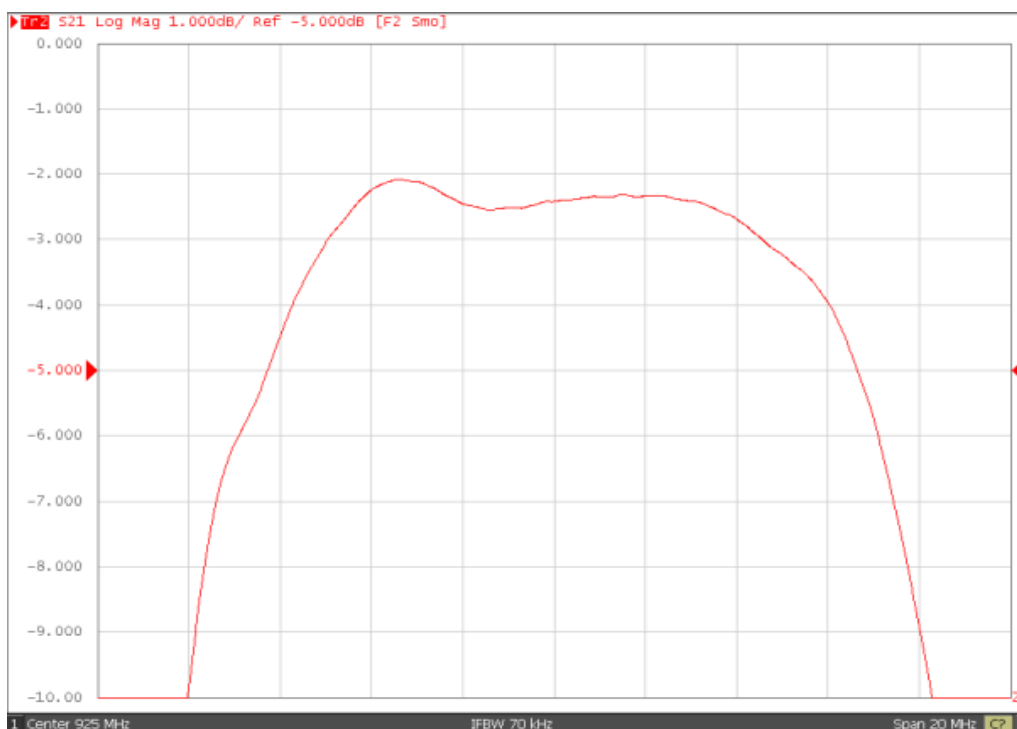
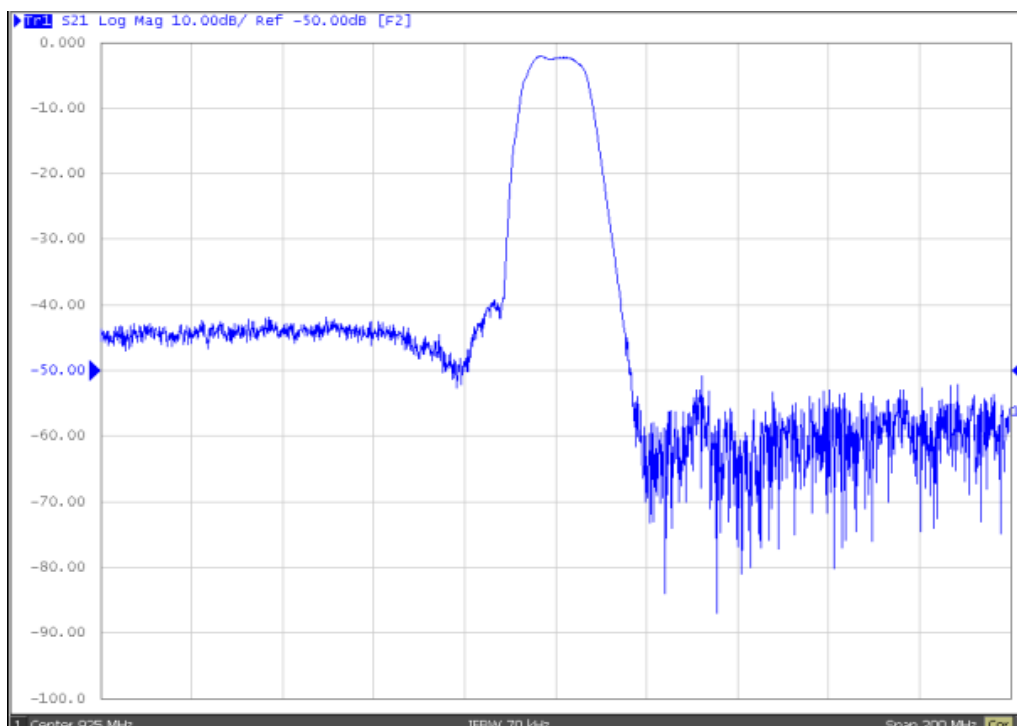
Testing Environment

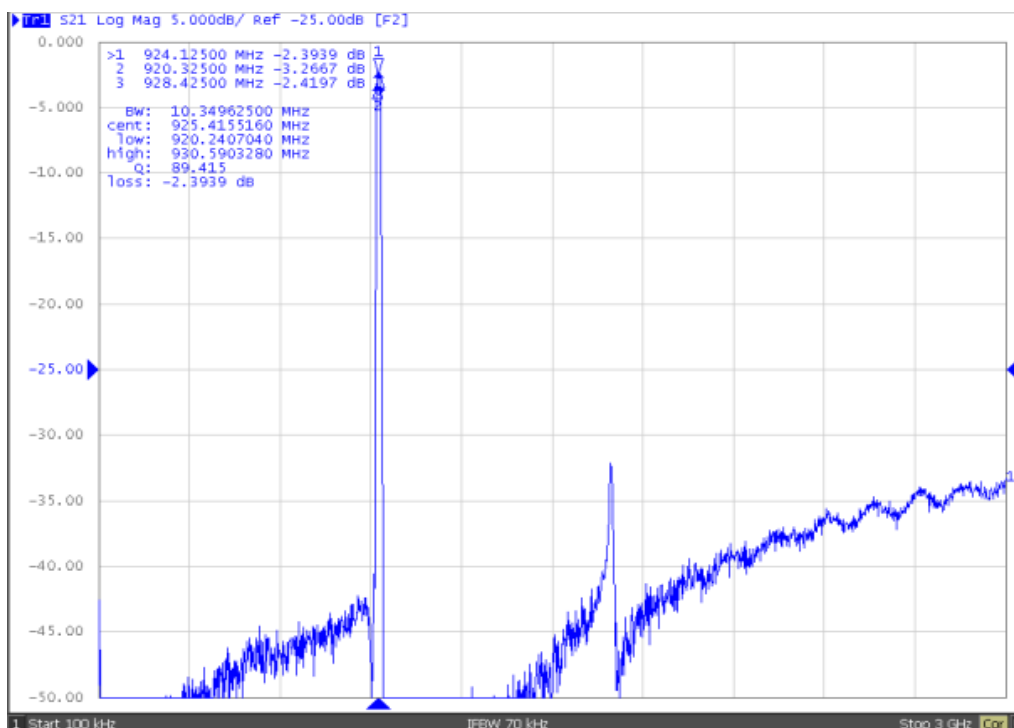


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





Smith Chart

