

SF-091509-C46

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

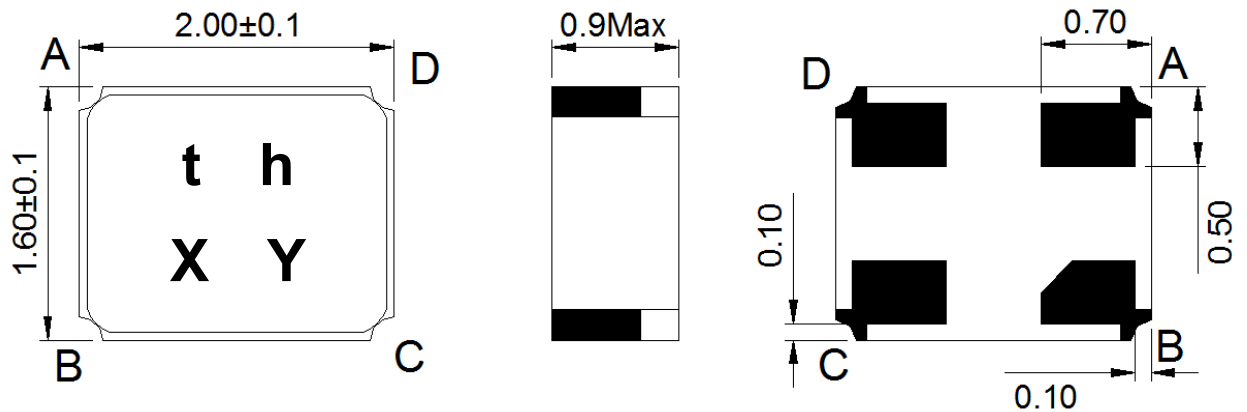
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	15
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	C46			
Length x Width	-	-	2.0 x 1.6	-
Height	mm	-	-	0.9

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency Fc	MHz	-	915.0	-
Insertion Loss (902.0~928.0 MHz) IL	dB	-	2.0	3.0
Amplitude Ripple (902.0~928.0 MHz)	dB	-	0.8	1.5
Group Delay Variation (902.0~928.0 MHz)	ns	-	35	50
Input/Output Return Loss (902.0~928.0 MHz)	dB	8.0	9.5	-
Attenuation (Reference level from 0 dB)				
10.0 ~ 857.5 MHz	dB	40	55	-
857.5 ~ 882.5 MHz	dB	35	48	-
970.0 ~ 1005.0 MHz	dB	35	48	-
1005.0 ~ 1110.0 MHz	dB	45	52	-
1110.0 ~ 3000.0 MHz	dB	30	35	-

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

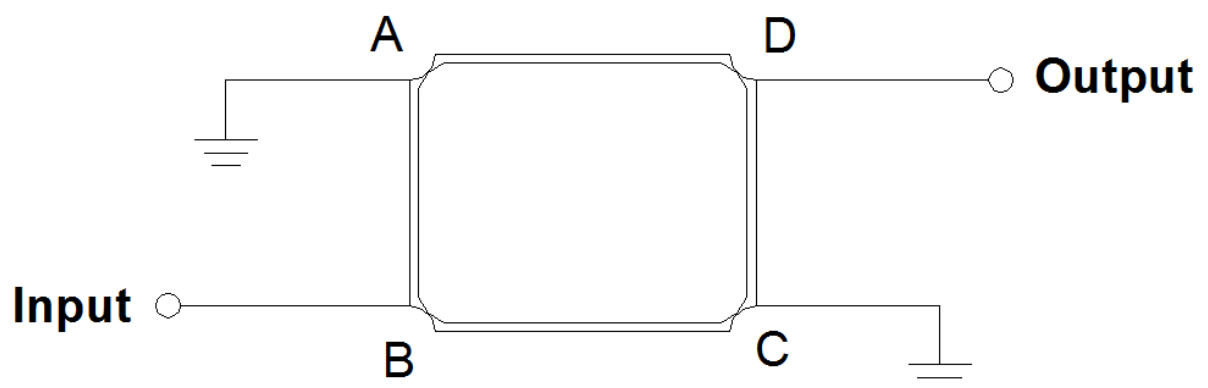
Package Dimensions



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

Pin Description	
A,C	Ground
B	Input
D	Output

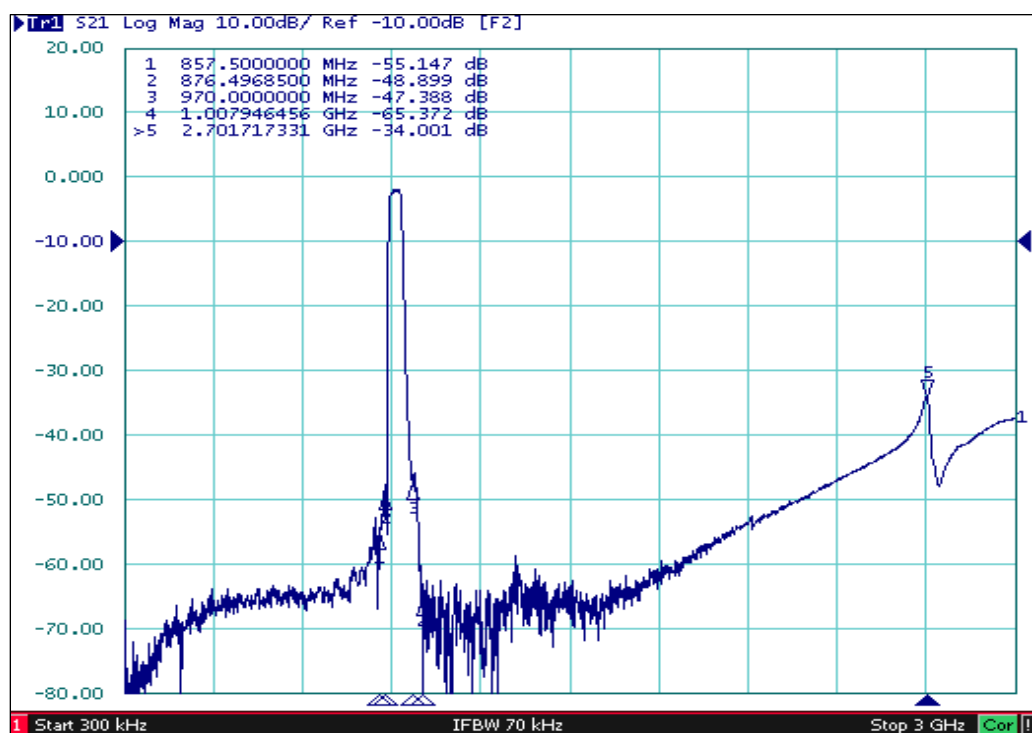
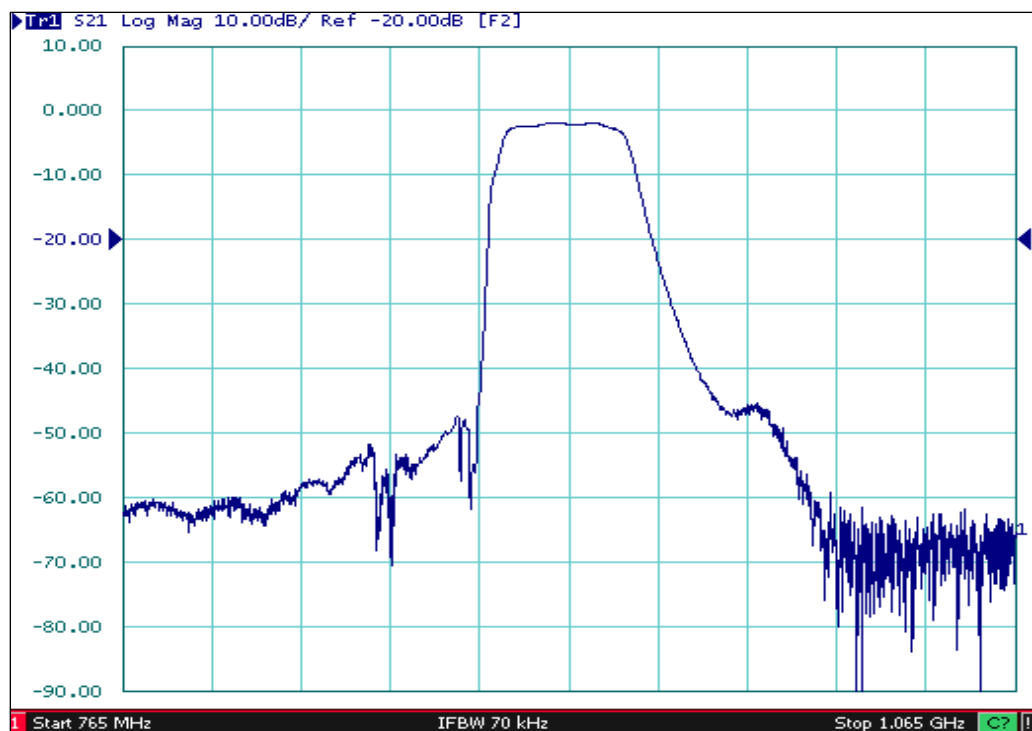
Testing Environment



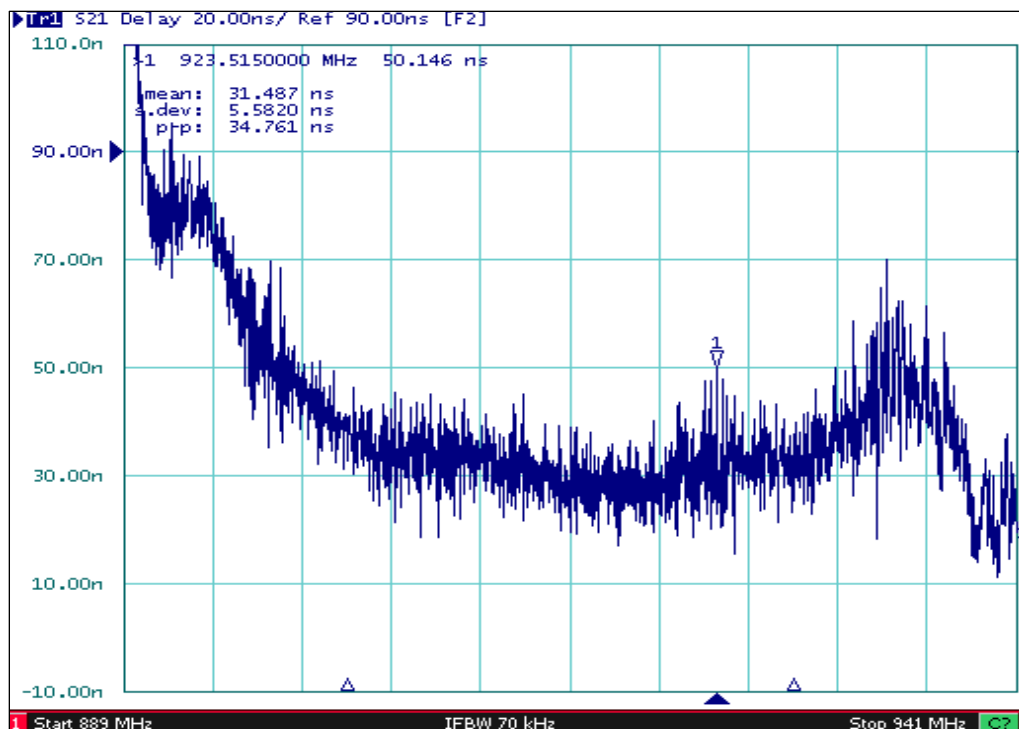
Source & Load Impedance: 50Ω

□ Frequency Characteristics

Frequency Response



Group Delay

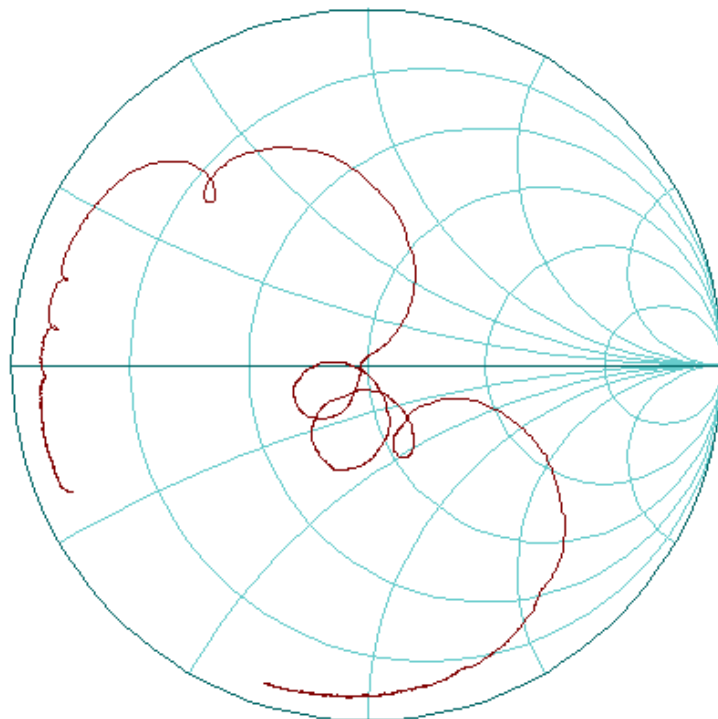


Return Loss



Smith chart

►Tr2 S11 Smith (R+jX) Scale 1.000U [F2]



►Tr3 S22 Smith (R+jX) Scale 1.000U [F2]

