

SF-091510-C28

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

MSL 3 Device



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

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□ Electrical Characteristics

Maximum Ratings

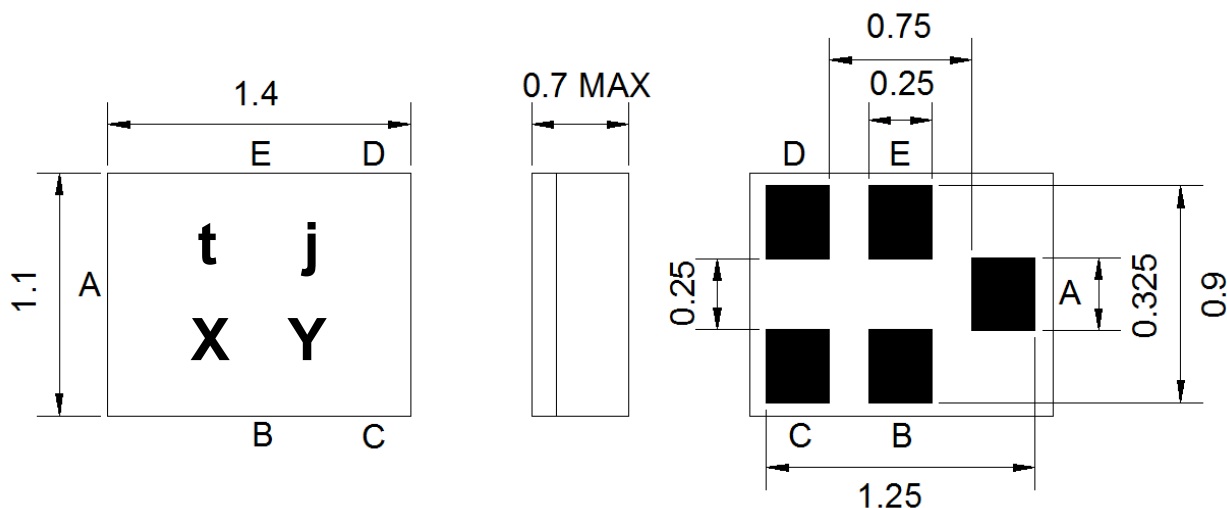
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	C28			
Length x Width	-	-	1.4 x 1.1	-
Height	mm	-	-	0.7

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency Fc	MHz	-	915.0	-
Insertion Loss (902.0 ~ 928.0 MHz)	dB	-	1.9	2.5
Amplitude ripple (902.0 ~ 928.0 MHz)	dB	-	0.8	1.5
VSWR (902.0 ~ 928.0 MHz)		-	1.6	2.0
Group Delay Deviation (902.0 ~ 928.0 MHz)	ns	-	11	50
Attenuation (reference level from 0 dB)				
10.0 ~ 800.0 MHz	dB	42	46	-
800.0 ~ 845.0 MHz	dB	40	44	-
845.0 ~ 880.0 MHz	dB	35	38	-
947.0 ~ 970.0 MHz	dB	13	28	-
970.0 ~ 1020.0 MHz	dB	33	47	-
1020.0 ~ 1200.0 MHz	dB	35	43	-
1200.0 ~ 3000.0 MHz	dB	28	34	-

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

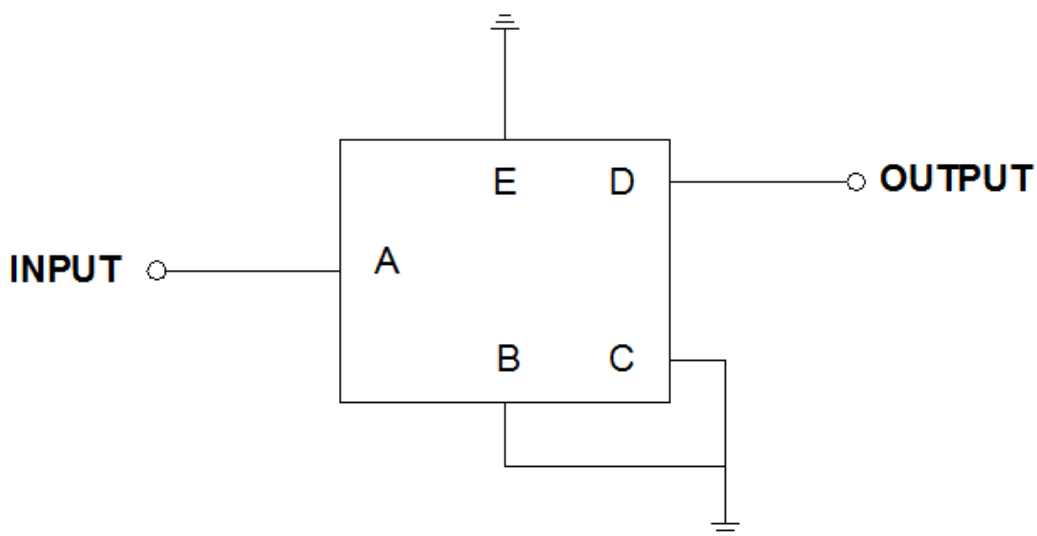
□ Package Dimensions



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

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

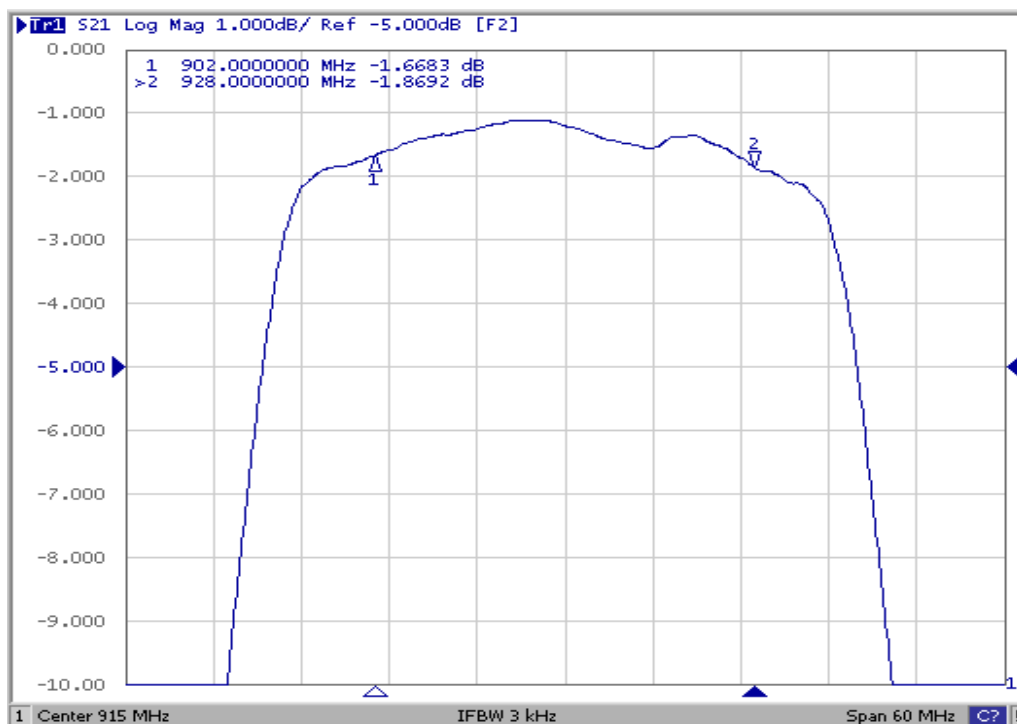
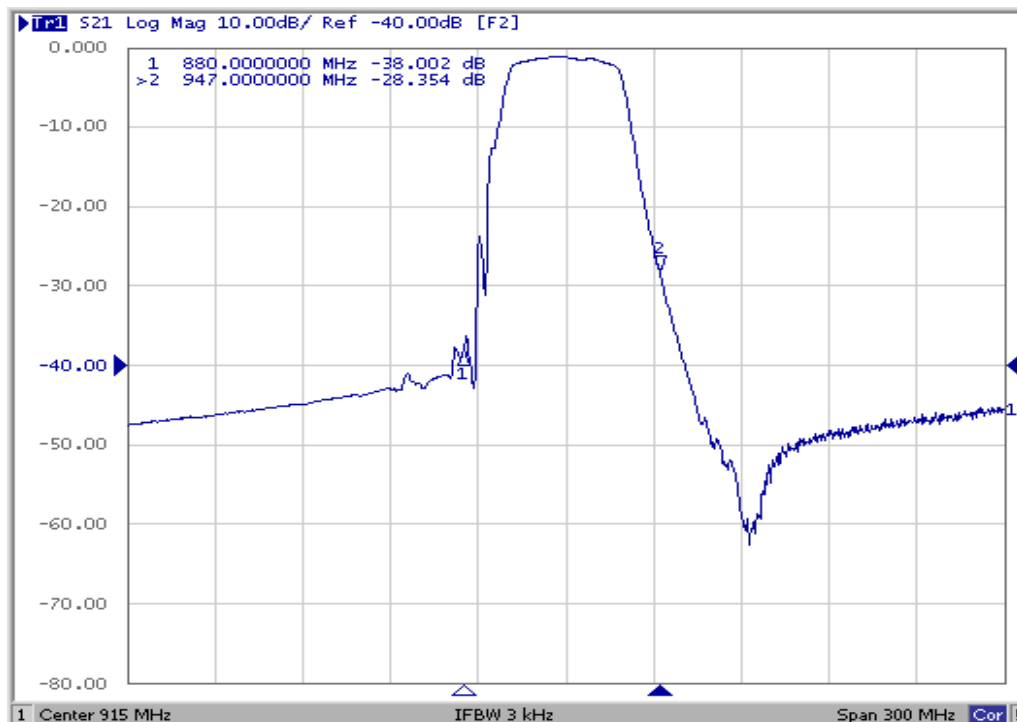
□ Testing Environment

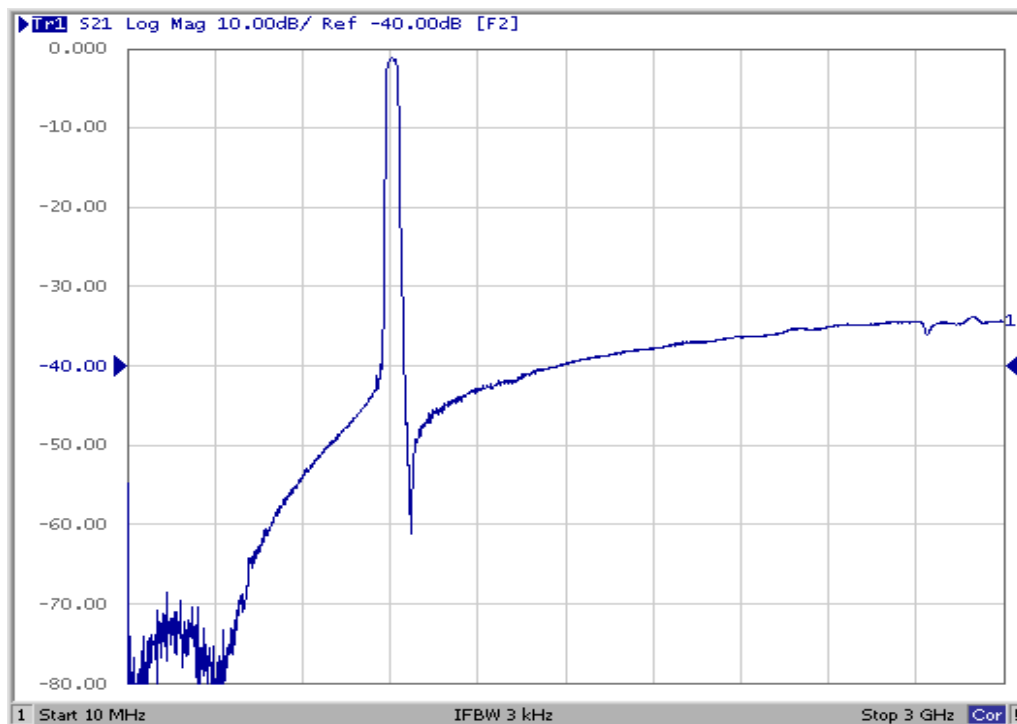


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





VSWR

