



Total Solution Provider in Saw Device

SF-091512-C28

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

MSL 3 Device



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

SAWNICS Inc.

112 Seonggeo-Street, Seonggeo-eup, Seobuk-gu, Cheonan-si, Chungcheongnam-do, South Korea
/ 31044Tel : +82-41-550-9372 / Fax : +82-41-622-9116 / www.sawnics.com

□ Electrical Characteristics

Maximum Ratings

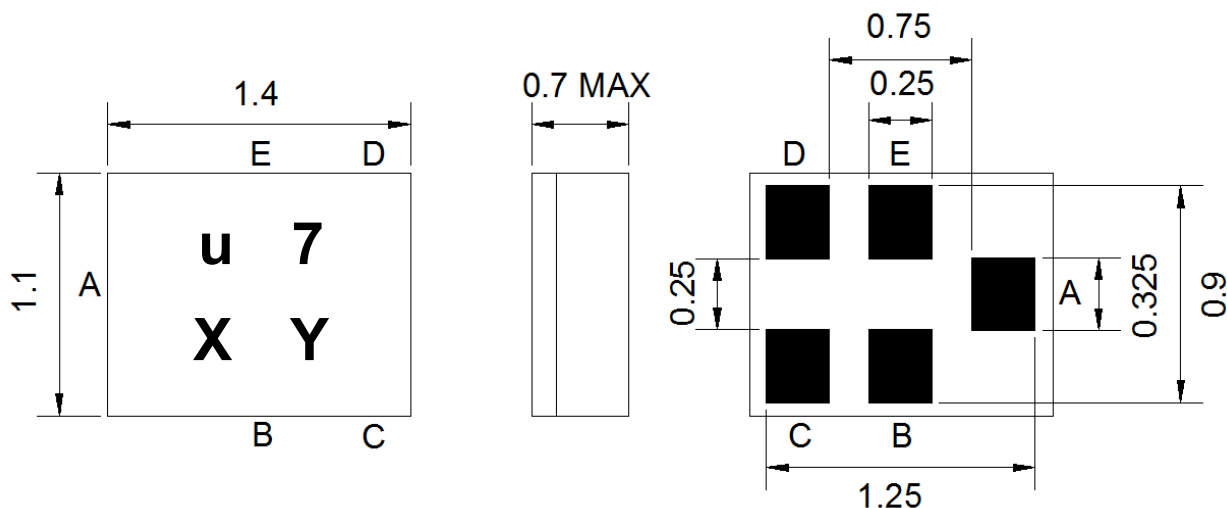
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-30	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	C28			
Length x Width	-	-	1.4 x 1.1	-
Height	mm	-	-	0.7

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency (Fo)	MHz	-	915.0	-
Insertion Loss within 902.0 ~ 928.0 MHz	dB	-	2.5	3.1
Amplitude Ripple within 902.0 ~ 928.0 MHz	dB _{p-p}	-	0.4	1.5
Group Delay Variation within 902.0 ~ 928.0 MHz	nsec	-	15	50
Return Loss within 902.0 ~ 928.0 MHz	dB	9	10	-
Attenuation:				
0.1 ~ 702.0 MHz	dB	50	53	-
738.0 ~ 764.0 MHz	dB	49	53	-
820.0 ~ 846.0 MHz	dB	42	48	-
990.0 ~ 1010.0 MHz	dB	42	50	-
1072.0 ~ 1092.0 MHz	dB	49	53	-
1128.0 ~ 1804.0 MHz	dB	40	42	-
1804.0 ~ 1856.0 MHz	dB	40	42	-
1856.0 ~ 3000.0 MHz	dB	30	36	-

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

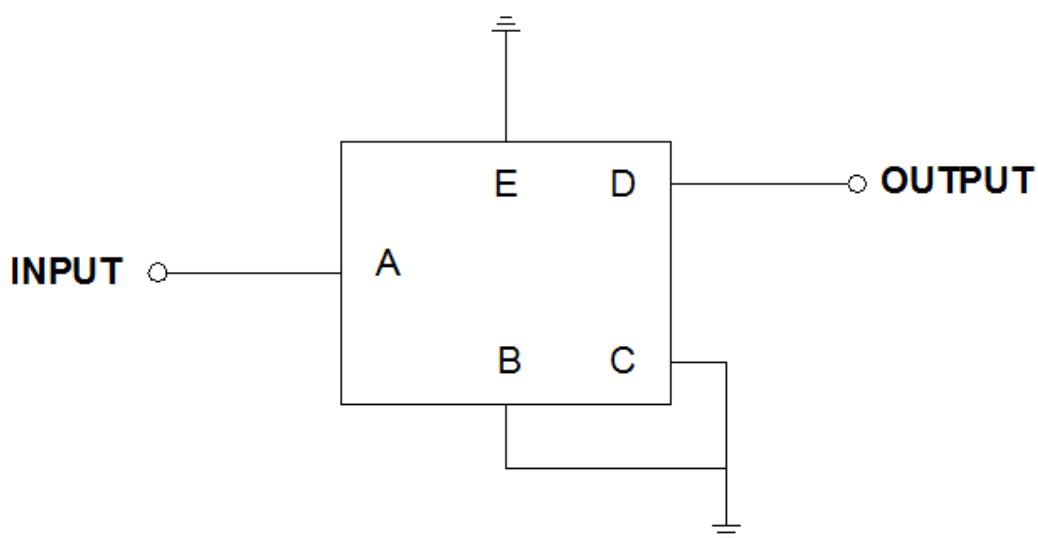
□ Package Dimensions



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

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

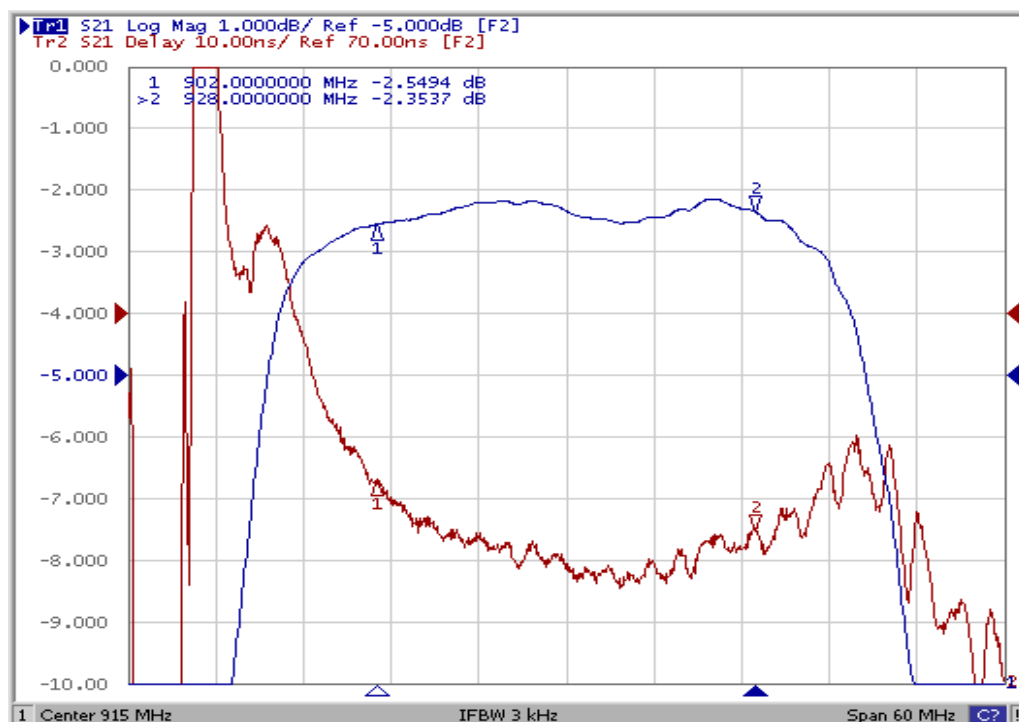
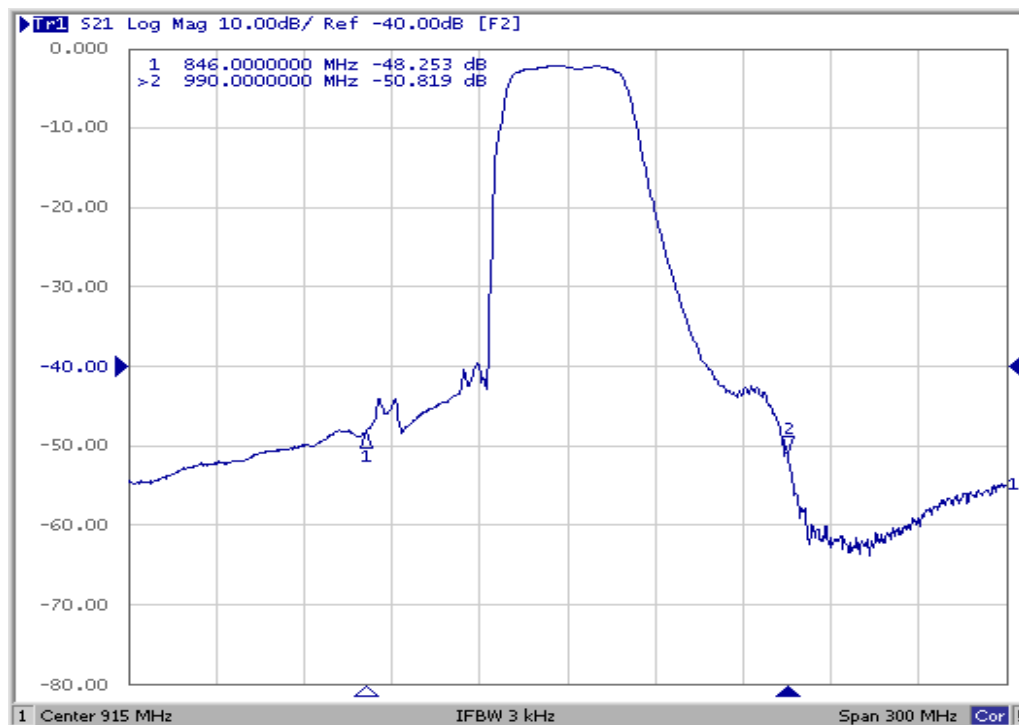
□ Testing Environment



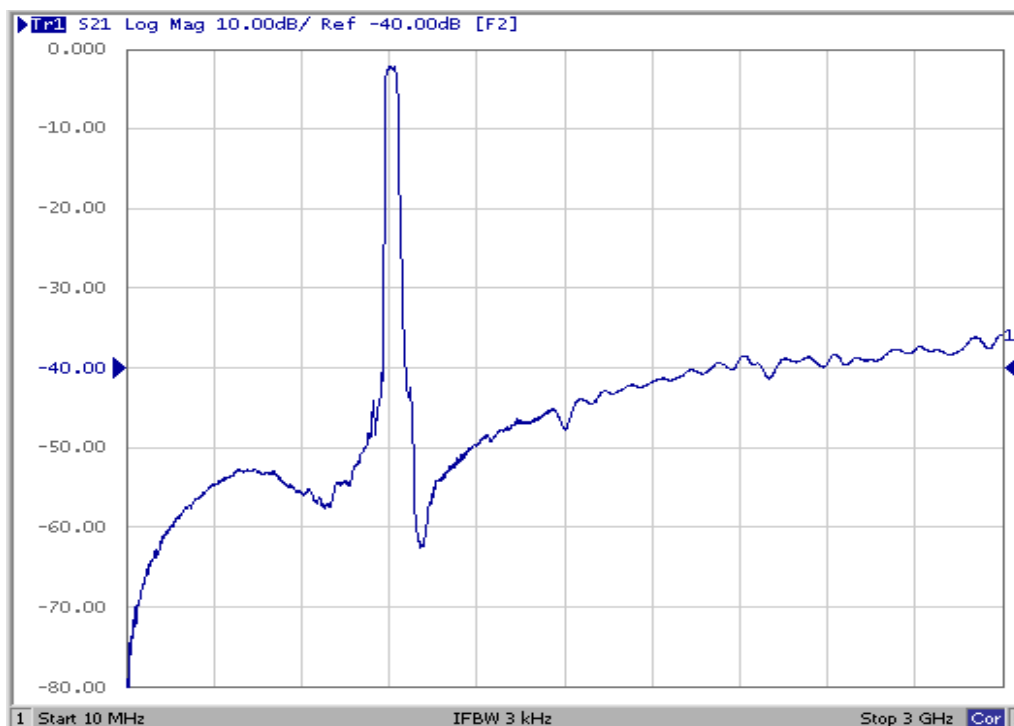
Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response



Wide



Return Loss

