



Total Solution Provider in Saw Device

SF-086912-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

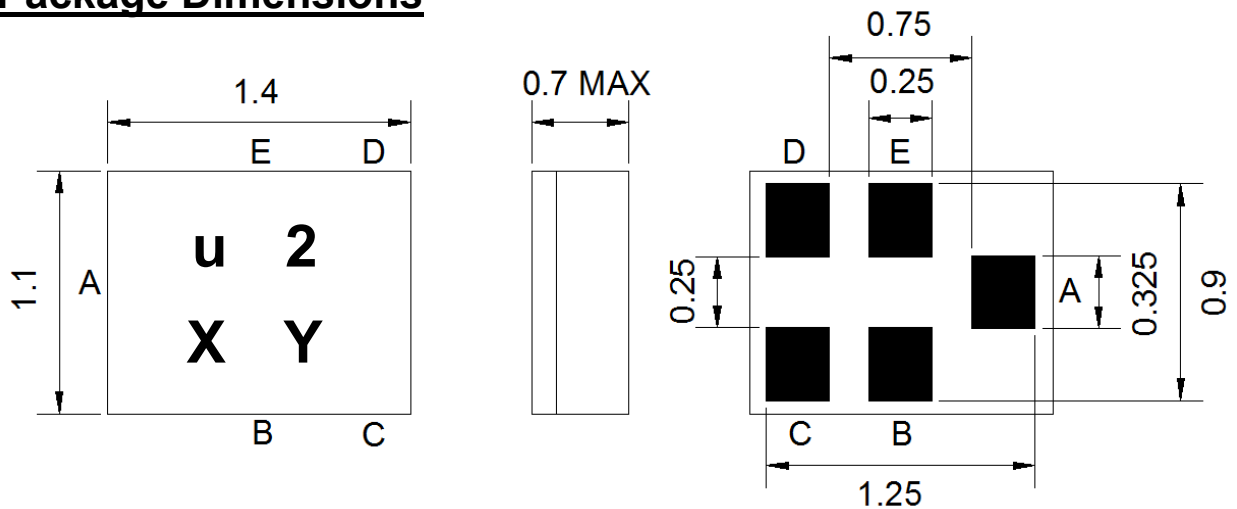
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+80
Storage Temperature Range	°C	-40	-	+80
Maximum DC Voltage	V	-	-	6
Maximum Input Power	dBm	-	-	13
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	C28			
Length x Width	-	-	1.4 x 1.1	-
Height	mm	-	-	0.7

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency F_c	MHz	-	869.0	-
Insertion Loss (868.0 ~ 870.0 MHz) IL	dB		3.0	3.5
VSWR (868.0 ~ 870.0 MHz)	-	-	1.5	2.0
Amplitude ripple (868.0 ~ 870.0 MHz)	dB _{p-p}	-	0.5	1.2
Attenuation				
50.0 ~ 791.0 MHz	dB	45	50	-
791.0 ~ 835.0 MHz	dB	45	50	-
835.0 ~ 848.0 MHz	dB	43	48	-
848.0 ~ 862.0 MHz	dB	30	41	-
880.0 ~ 883.0 MHz	dB	35	45	-
883.0 ~ 1000.0 MHz	dB	49	54	-

Notes : (1)With Matching Network (Ref. Testing Environment Circuit as shown below).

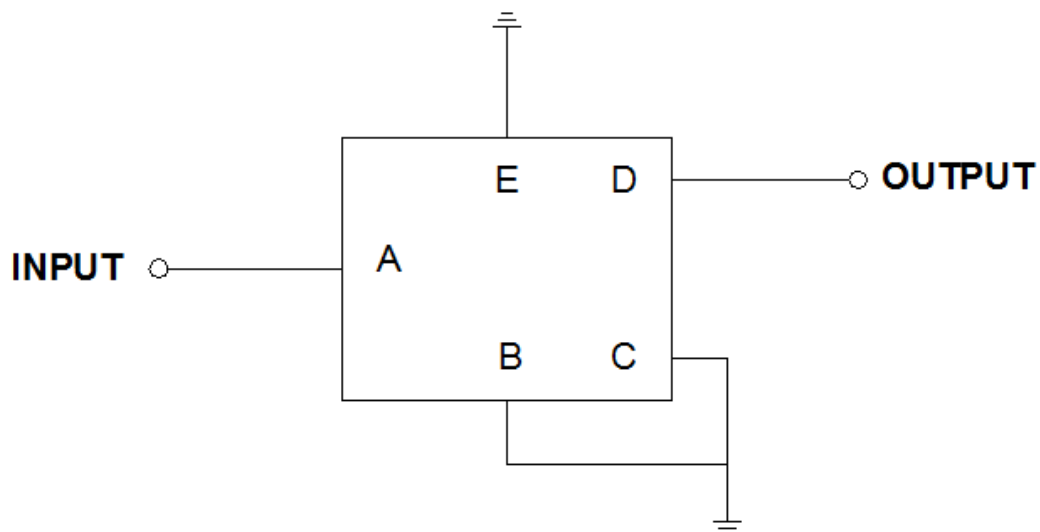
Package Dimensions



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

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

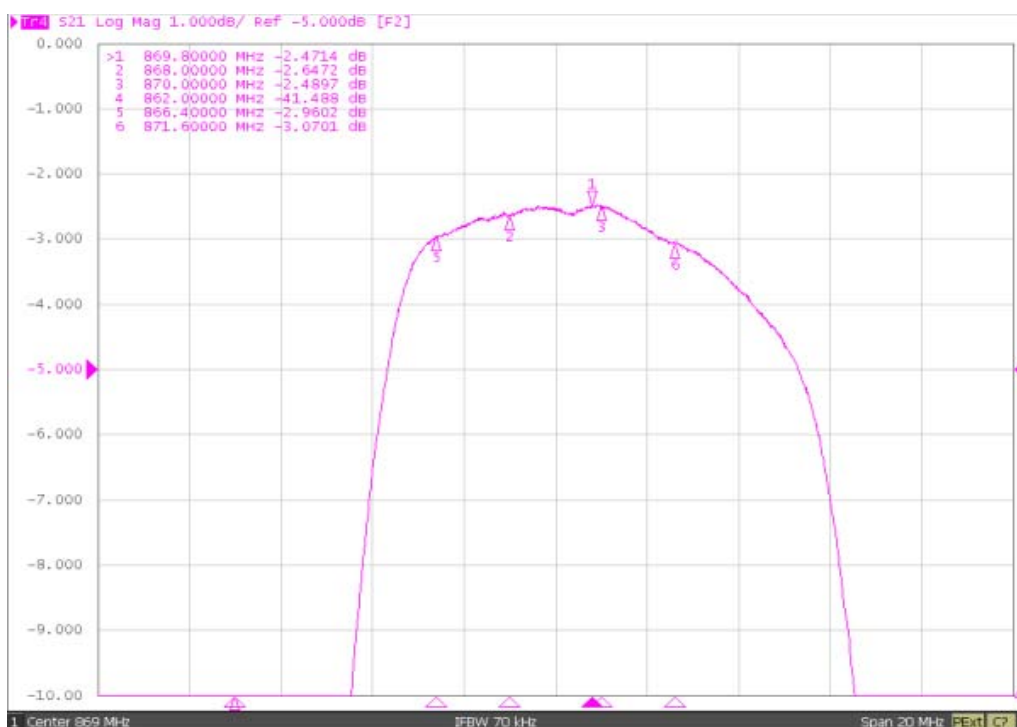
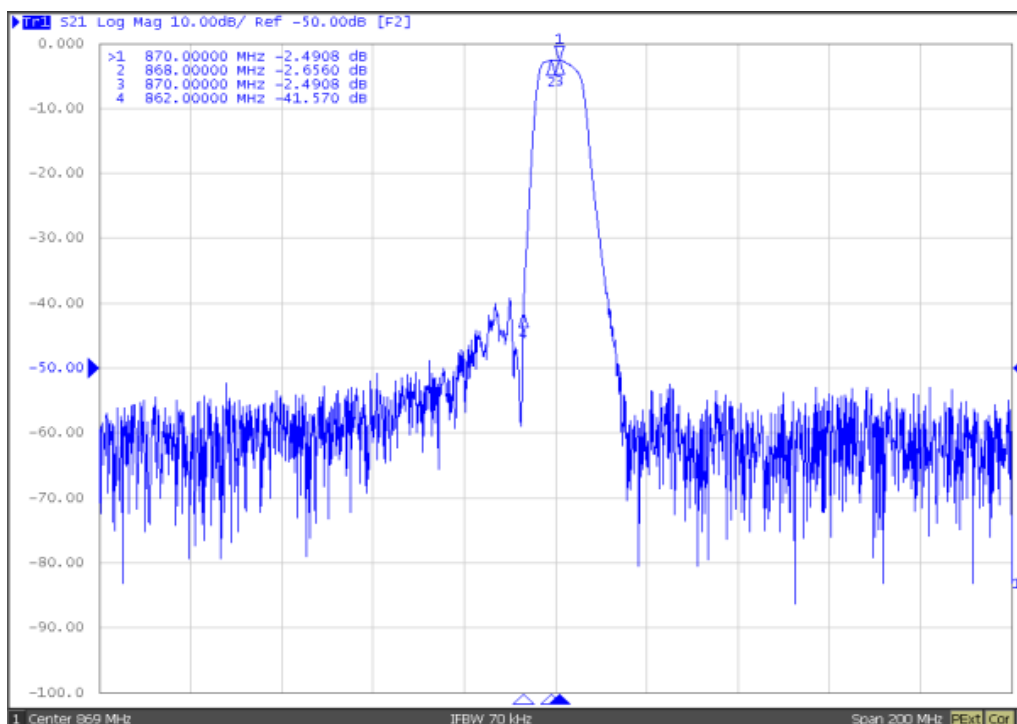
Testing Environment

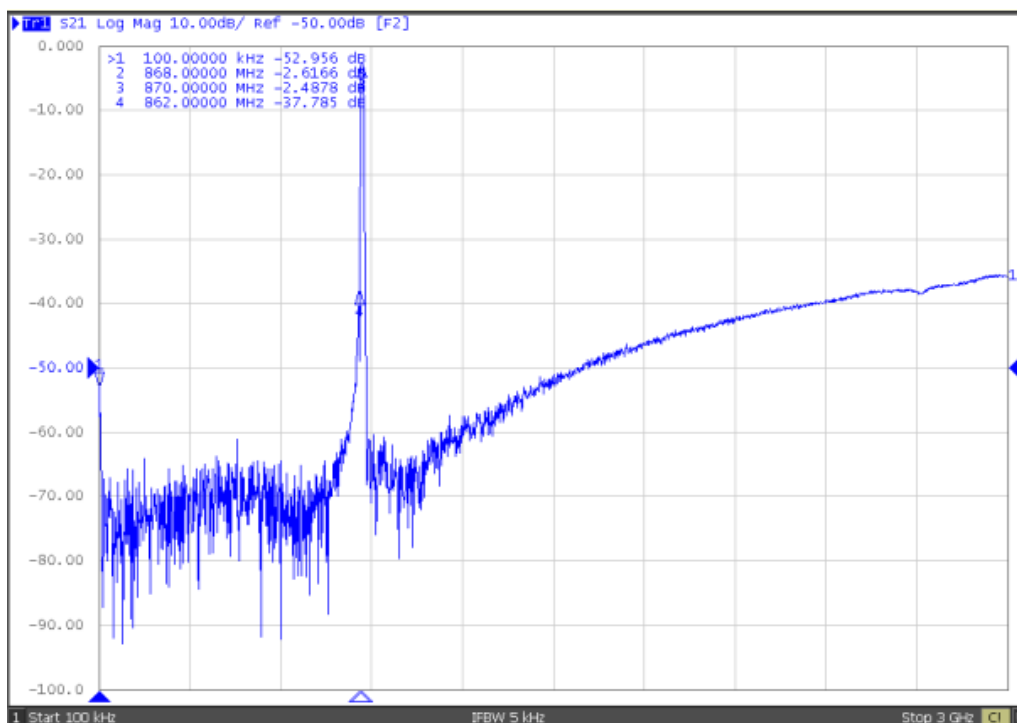


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





Smith chart

