

SF-091511-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

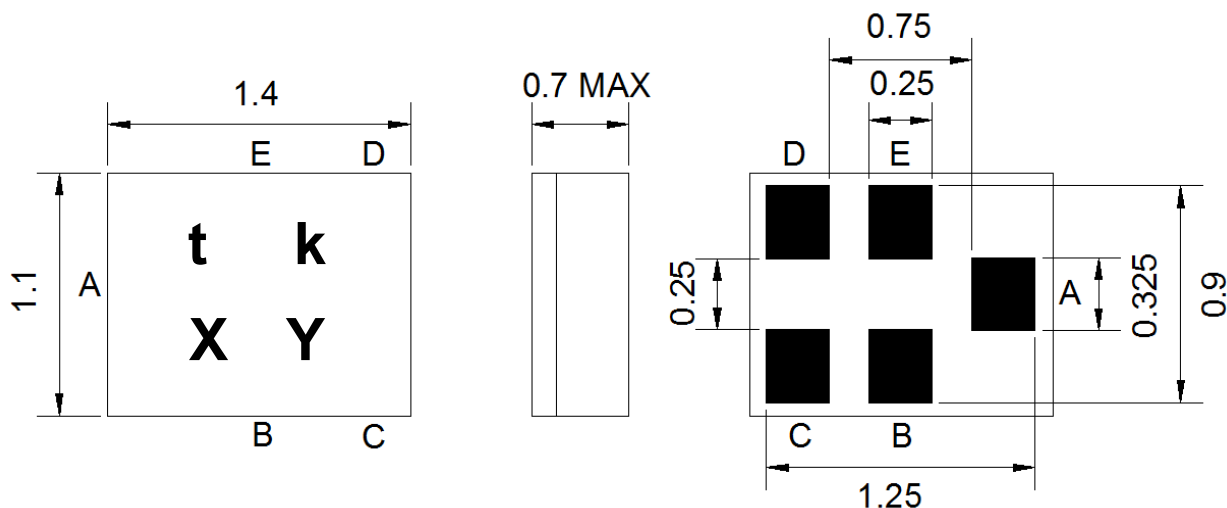
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	3
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (balanced) ⁽¹⁾	Ω	-	200	-
Package type & size	C28			
Length x Width	-	-	1.4 x 1.1	-
Height	mm	-	-	0.7

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center Frequency F_c	MHz	-	915.0	-
Insertion Loss (902.0 ~928.0 MHz) IL	dB	-	2.3	3.2
VSWR (902.0 ~928.0 MHz)	dB	-	1.7	2.4
Amplitude ripple (902.0 ~928.0 MHz)	dB	-	0.6	1.8
Attenuation				
10.0 ~ 700.0 MHz	dB	55	75	-
700.0 ~ 770.0 MHz	dB	50	65	-
770.0 ~ 850.0 MHz	dB	45	66	-
850.0 ~ 880.0 MHz	dB	26	35	-
880.0 ~ 894.0 MHz	dB	-	3	-
990.0 ~ 1020.0 MHz	dB	38	43	-
1020.0 ~ 1850.0 MHz	dB	45	65	-
1850 ~ 3000.0 MHz	dB	30	52	-

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

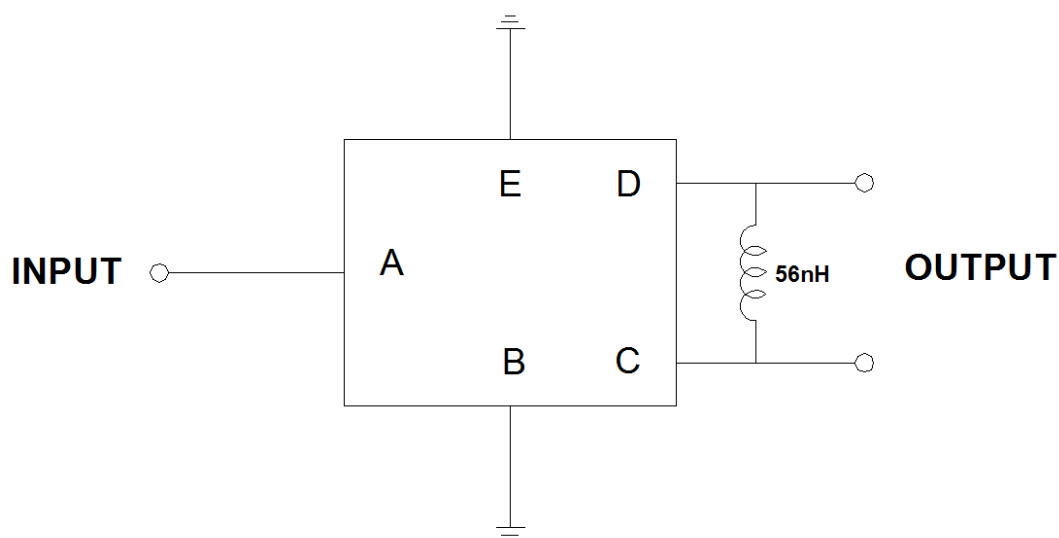
Package Dimensions



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

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

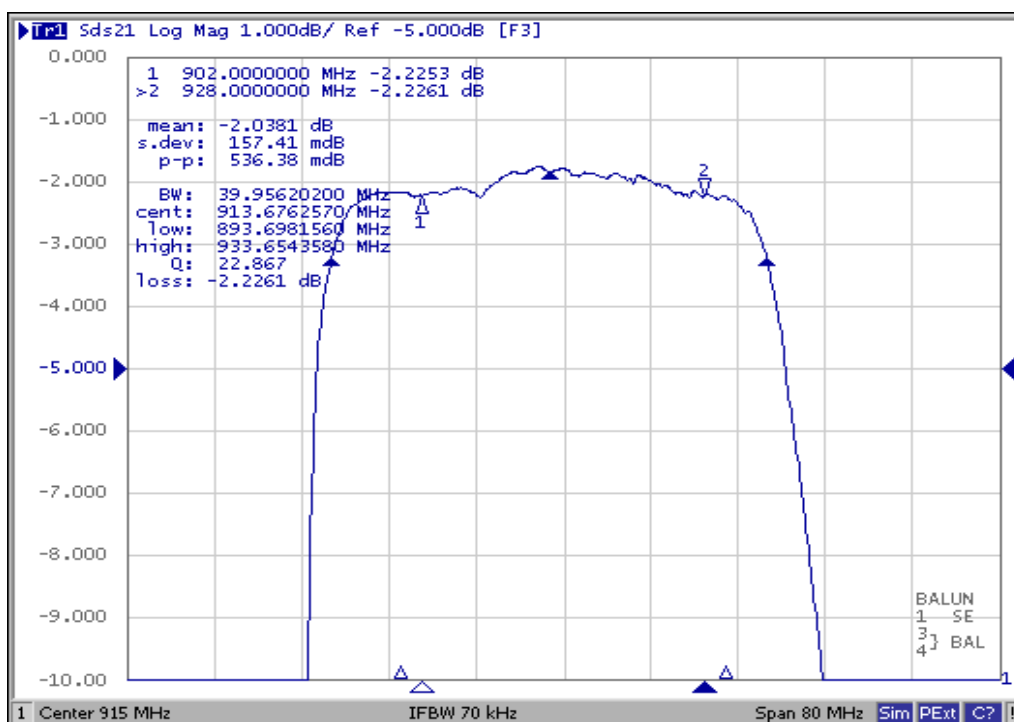
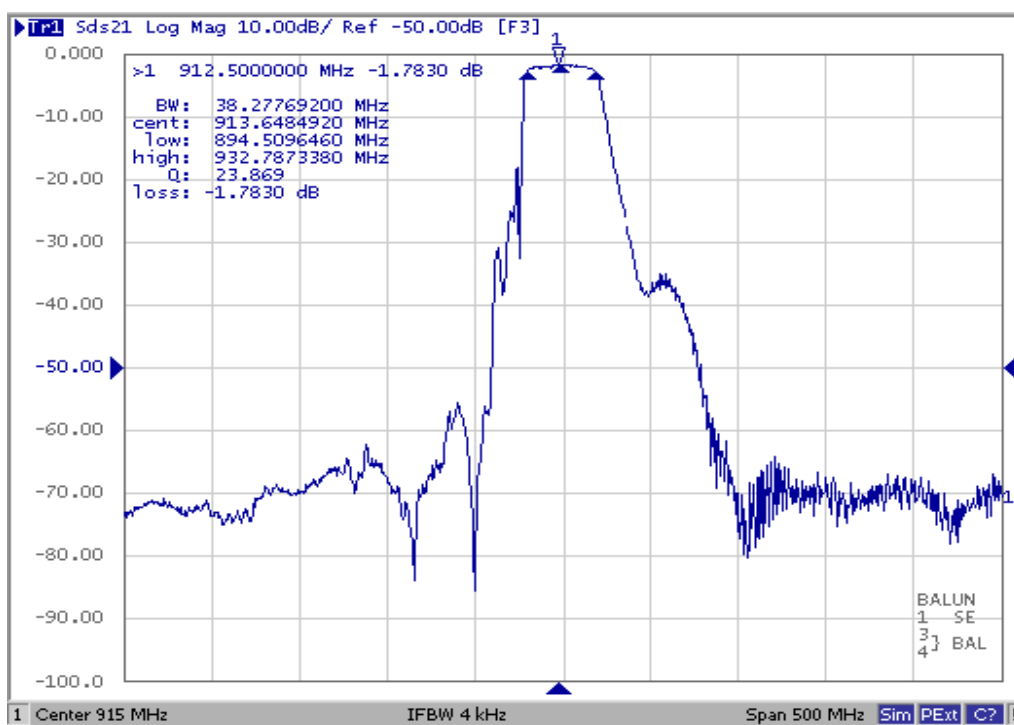
Testing Environment

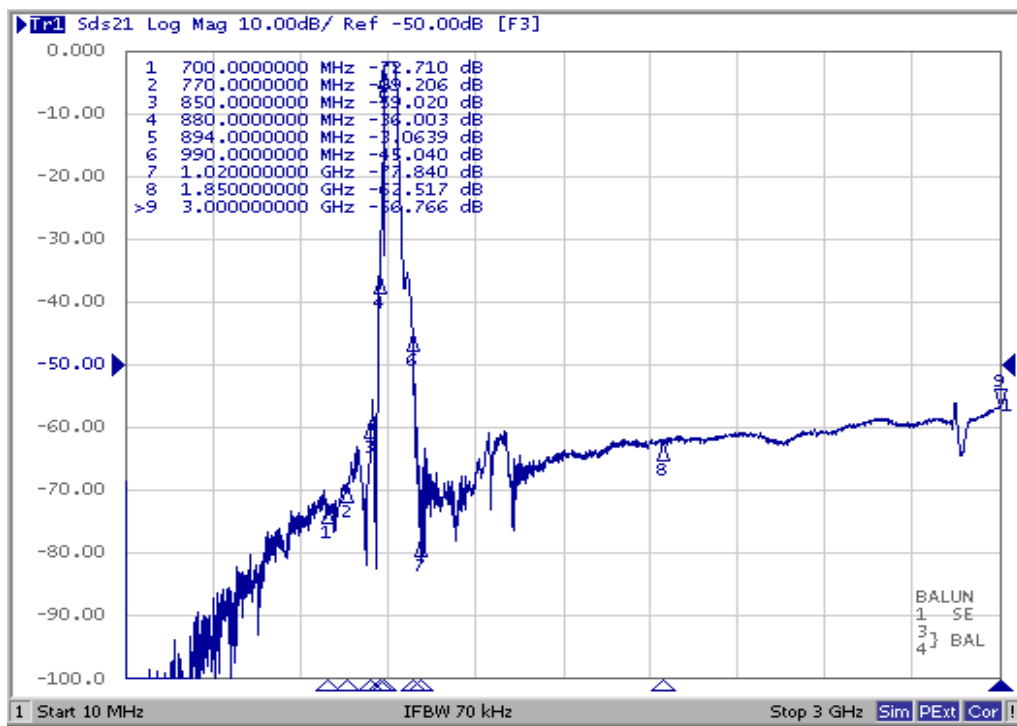

Source Impedance : 50 Ω

Load Impedance : 200 Ω

Frequency Characteristics

Frequency Response





VSWR

