

SF-086804-S28

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



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

□ Electrical Characteristics

Maximum Ratings

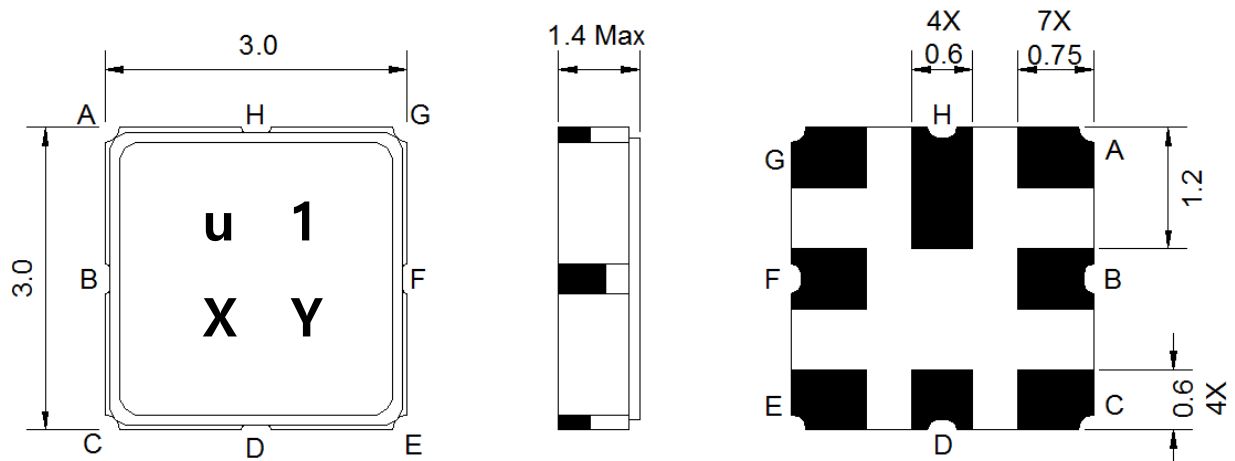
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-45	-	+90
Storage Temperature Range	°C	-45	-	+90
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	18
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S28			
Length x Width	-	-	3.0 x 3.0	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency F_c	MHz	-	868.30	-
Minimum I.L. IL_{min} (dB)	dB	-	3.0	4.2
Pass band (relative to IL_{min})				
868.00 ~ 868.78 MHz	dB	-	0.9	3.0
867.90 ~ 868.88 MHz	dB	-	1.7	6.0
Pass bandwidth (relative to IL_{min}) $BW3$ (KHz)	KHz	-	1500	-
Attenuation:(relative to IL_{min})				
10.0 ~ 700.0 MHz	dB	50	53	-
700.0 ~ 830.0 MHz	dB	40	45	-
830.0 ~ 850.0 MHz	dB	35	40	-
850.0 ~ 865.02 MHz	dB	25	27	-
871.0 ~ 874.5 MHz	dB	15	23	-
874.5~ 883.0 MHz	dB	19	27	-
883.0 ~ 900.0 MHz	dB	30	35	-
900.0 ~ 1000.0 MHz	dB	40	47	-

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

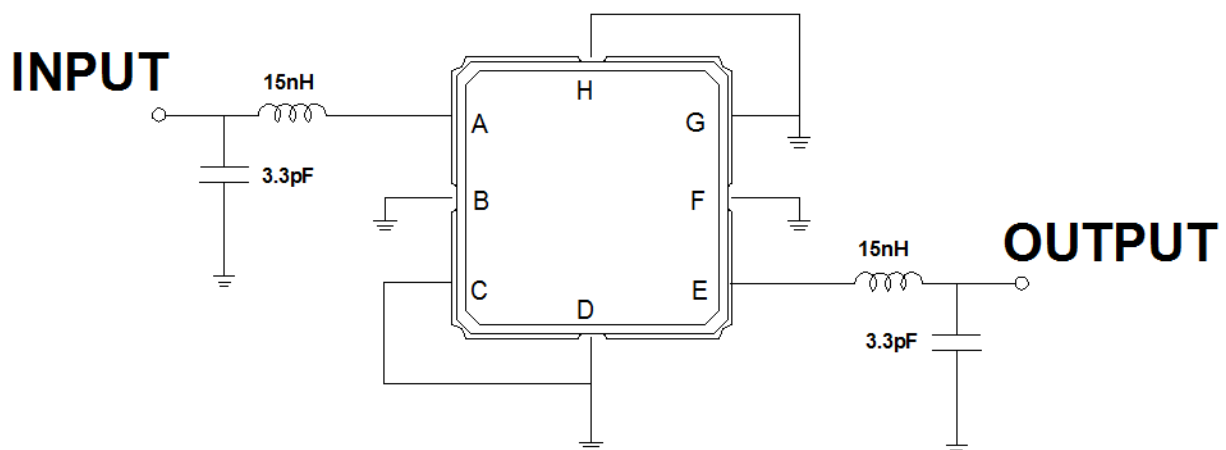
Package Dimensions



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

Pin Description	
A	Input or Input ground
B	Input ground or Input
E	Output or Output ground
F	Output ground or Output
C, D, G, H	Ground

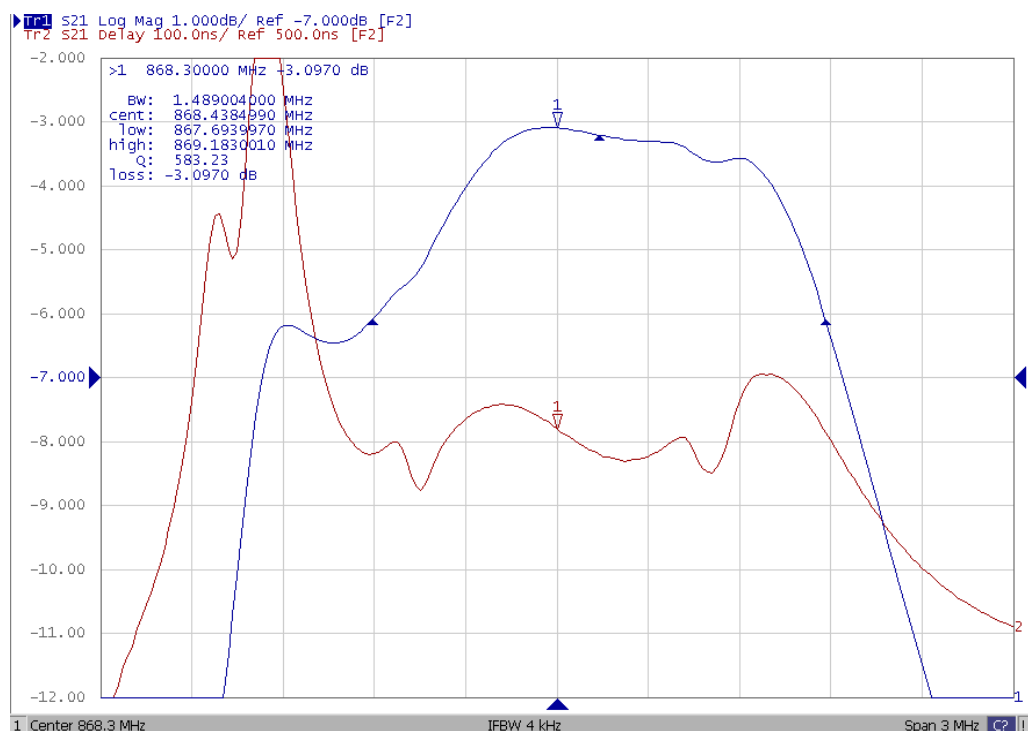
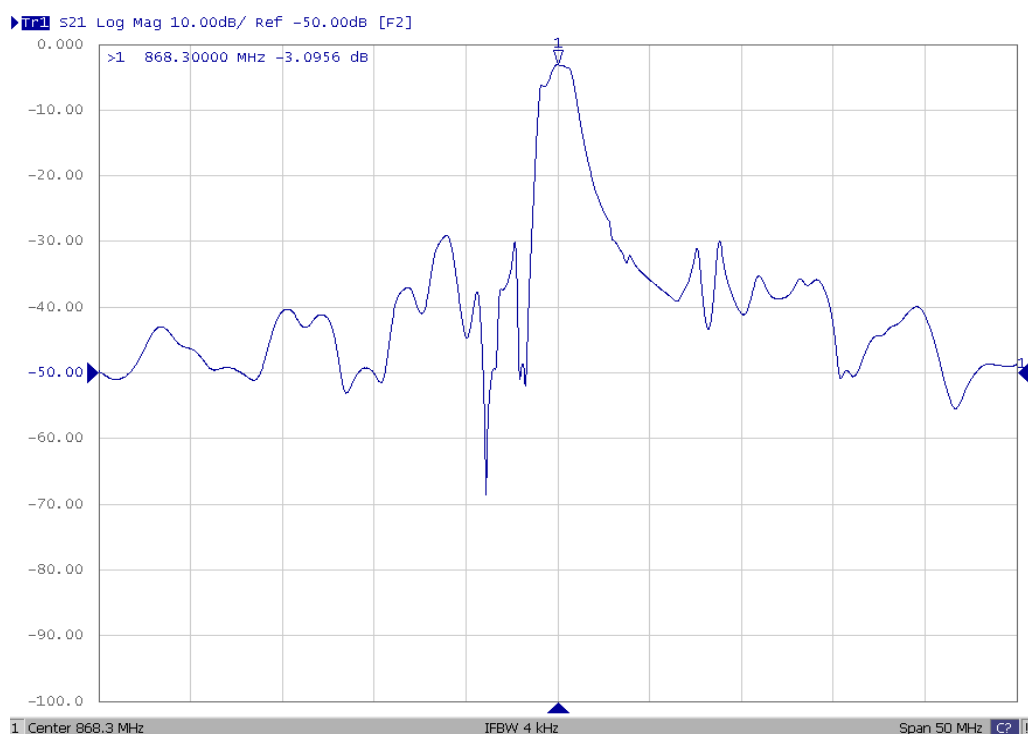
Testing Environment

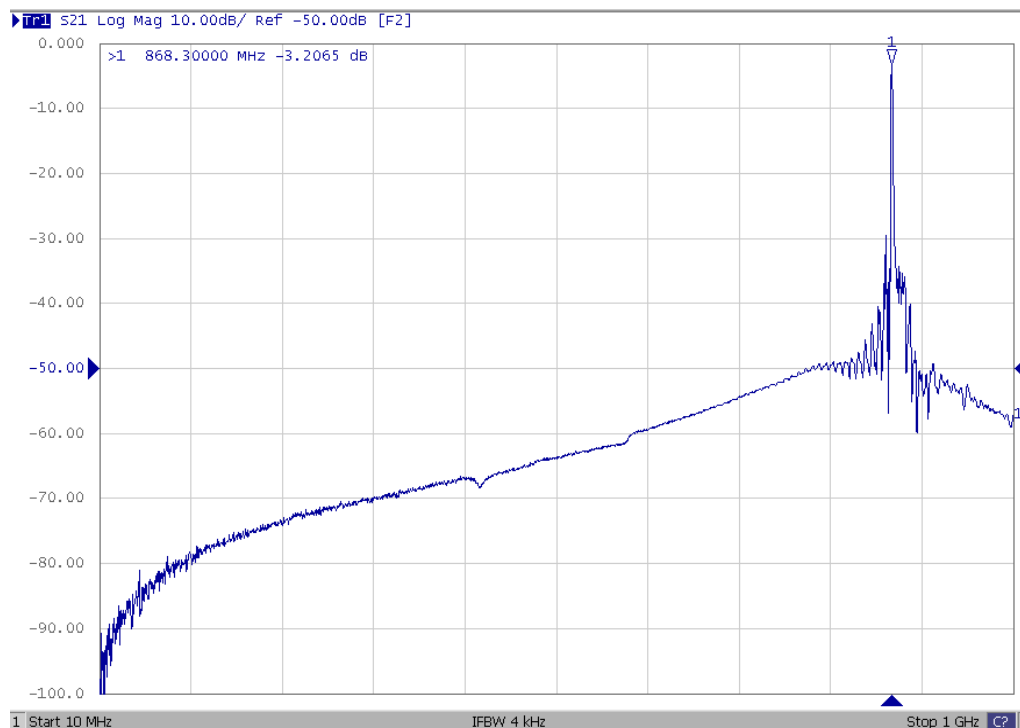


Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response





Smith chart

