

SF-031302-S39

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



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

Maximum Ratings

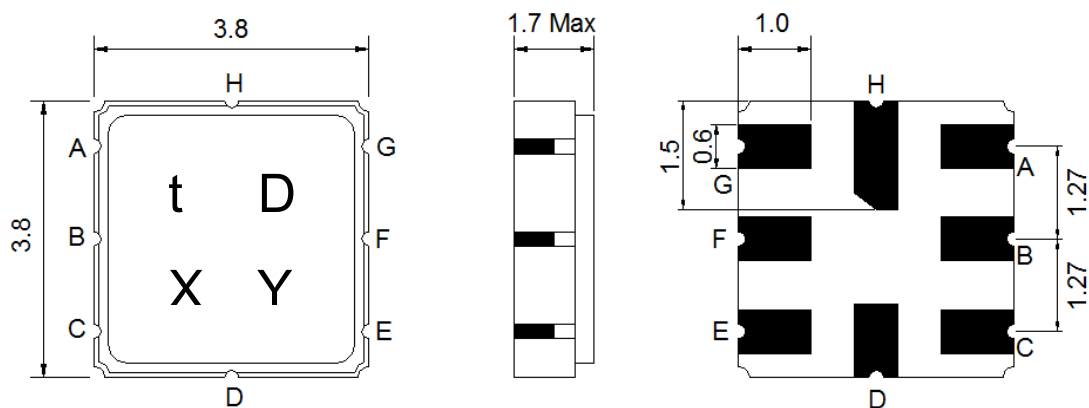
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	5
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S39			
Length x Width	-	-	3.8 x 3.8	-
Height	mm	-	-	1.7

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency F_c	MHz	-	313.85	-
Minimum I.L. (313.67~314.07 MHz) IL_{min}	dB	-	2.7	4.0
Pass band (relative to IL_{min})				
313.62~314.05 MHz	dB	-	1.5	3.0
313.56~314.11 MHz	dB	-	2.0	6.0
Pass bandwidth (relative to IL_{min}) BW_3	KHz	800	970	-
Attenuation:(relative to IL_{min})				
10.0 ~ 270.0 MHz	dB	45	50	-
270.0 ~ 307.0 MHz	dB	30	35	-
307.0 ~ 312.76 MHz	dB	15	20	-
315.0 ~ 335.0 MHz	dB	10	15	-
335.0 ~ 400.0 MHz	dB	35	40	-
400.0 ~ 1000.0 MHz	dB	45	50	-

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

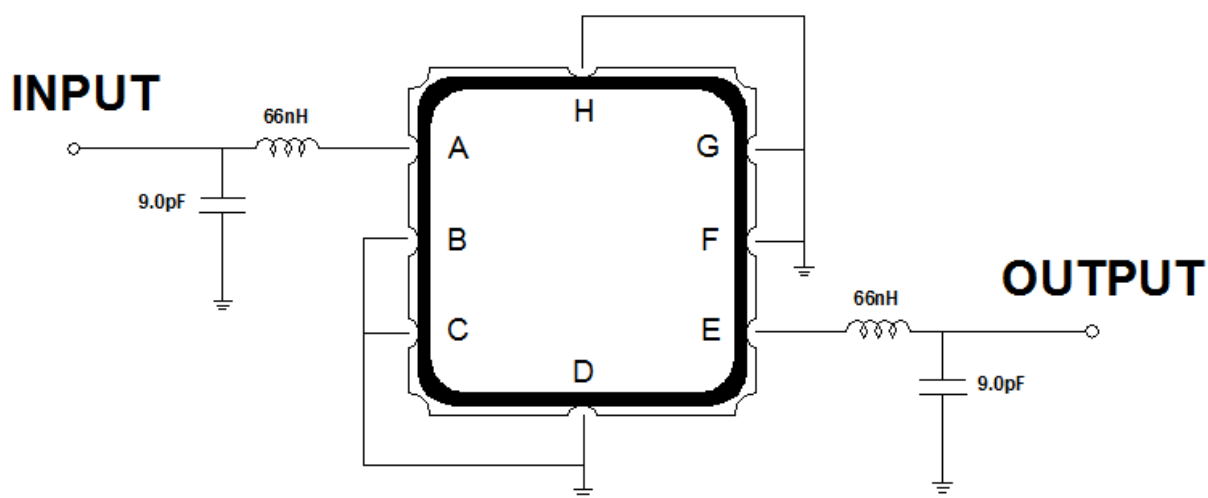
Package Dimensions



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

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

Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

