

SF-043303-S39

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



- ☐ Electrical Characteristics
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 - ☐ Frequency Characteristics
-

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□ Electrical Characteristics

Maximum Ratings

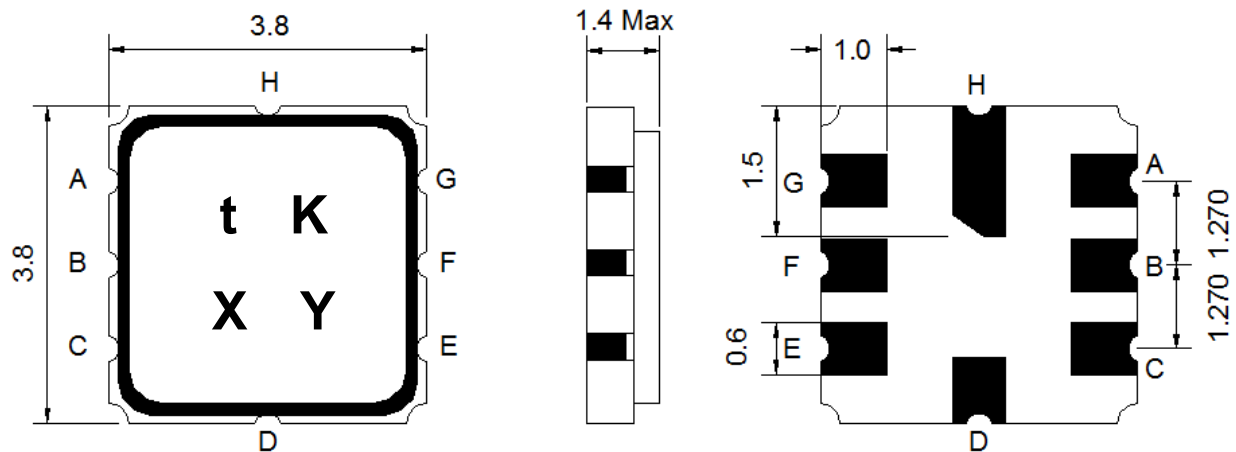
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-45	-	+85
Storage Temperature Range	°C	-45	-	+85
Maximum DC Voltage	V	-	-	12
Maximum Input Power	dBm	-	-	0
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S39			
Length x Width	-	-	3.8 x 3.8	-
Height	mm	-	-	1.4

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency Fc	MHz	433.3	433.42	433.62
Minimum I.L. (433.3~433.62 MHz) (dB) IL_{min}	dB	-	3.2	5.0
Pass band (relative to IL _{min})				
433.26~433.58 MHz	dB	-	-	2.0
433.24~433.60 MHz	dB	-	-	3.0
433.18~433.66 MHz	dB	-	-	6.0
Pass bandwidth (relative to IL _{min}) BW3	KHz	500	550	750
Attenuation (relative to IL _{min})				
413.5 ~ 427.5 MHz	dB	38	42	-
427.5 ~ 432.34 MHz	dB	15	24	-
434.42 ~ 441.5 MHz	dB	10	15	-
441.5 ~ 549.5 MHz	dB	33	38	-

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

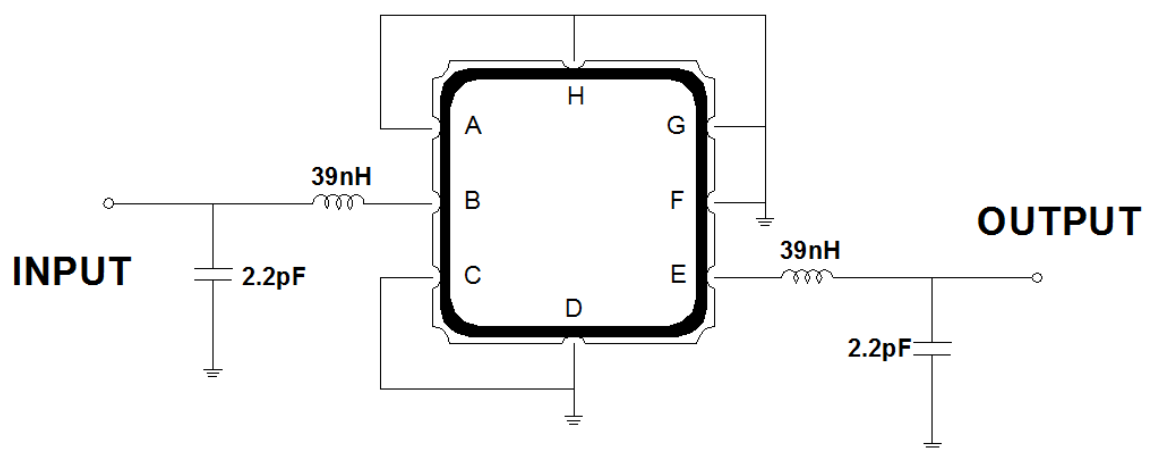
Package Dimensions



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

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

Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

