

SF-091514-S38

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



- ☐ Electrical Characteristics
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SAWNICS Inc.

112 Seonggeo-Street, Seonggeo-eup, Seobuk-gu, Cheonan-si, Chungcheongnam-do, South Korea
/ 31044Tel : +82-41-550-9372 / Fax : +82-41-622-9116 / www.sawnics.com

□ Electrical Characteristics

Maximum Ratings

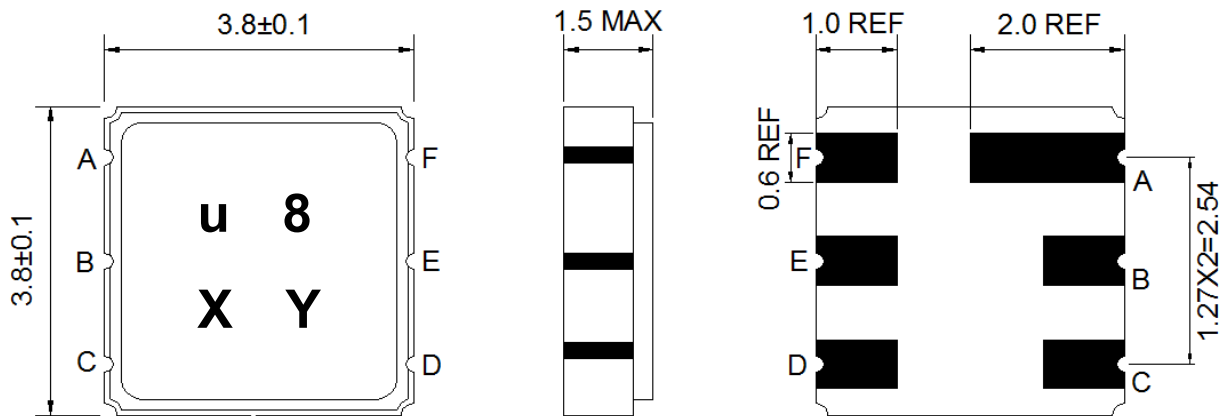
Parameters Description	Unit	Minimum	Typical	Maximum
Operating Temperature Range	°C	-40	-	+85
Storage Temperature Range	°C	-40	-	+85
Maximum DC Voltage	V	-	-	0
Maximum Input Power	dBm	-	-	10
Source Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Load Impedance (unbalanced) ⁽¹⁾	Ω	-	50	-
Package type & size	S38			
Length x Width	-	-	3.8 x 3.8	-
Height	mm	-	-	1.5

Electrical Specification

Parameters Description	Unit	Minimum	Typical	Maximum
Center frequency Fc	MHz	-	915.0	-
Insertion loss within 902.0 ~ 928.0 MHz IL	dB	-	1.7	3.2
Amplitude ripple (p-p) within 902.0 ~ 928.0 MHz	dB _{p-p}	-	1.0	2.0
Attenuation (Reference level from 0 dB)				
10.0 ~ 765.0 MHz	dB	20	23	-
765.0 ~ 865.0 MHz	dB	20	23	-
965.0 ~ 1065.0 MHz	dB	22	24.5	-
1065.0 ~ 2000.0 MHz	dB	18	24.5	-
Temperature coefficient of frequency TCf	ppm/K	-	-30	-

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

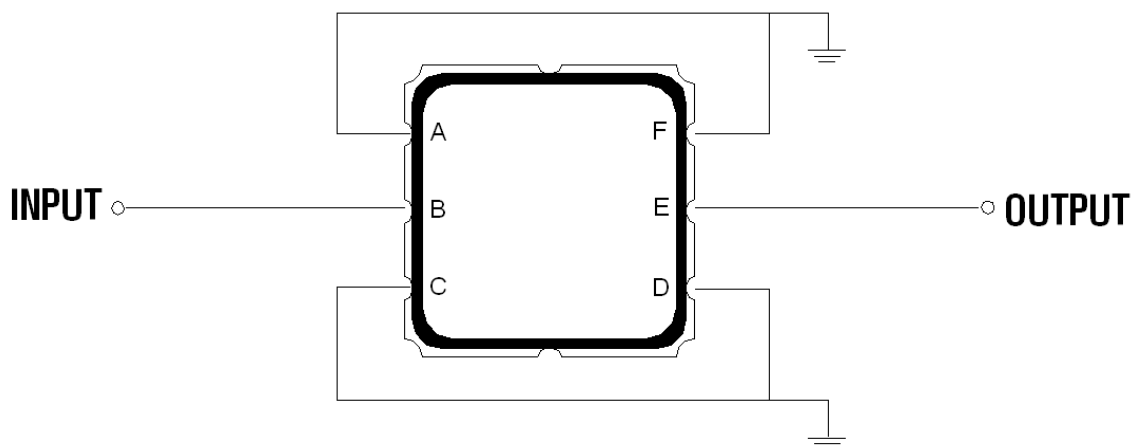
Package Dimensions



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

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

Testing Environment



Source & Load Impedance: 50 Ω

□ Frequency Characteristics

Frequency Response

