

Excellent Integrated System Limited

Stocking Distributor

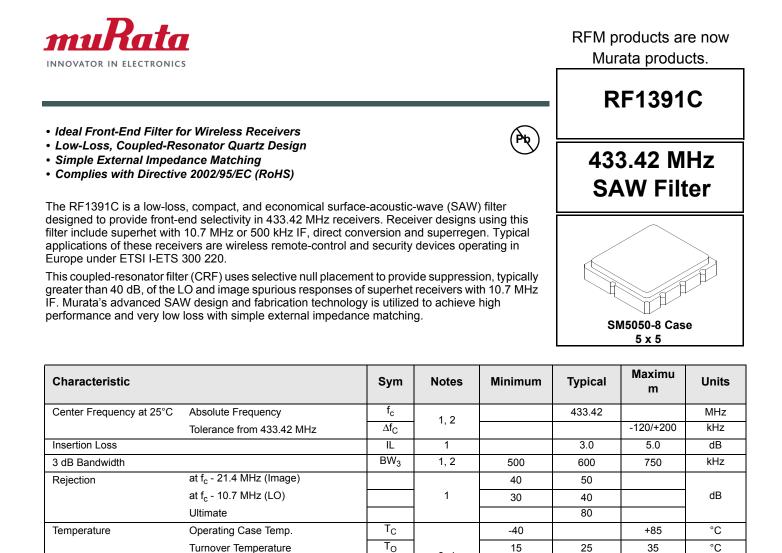
Click to view price, real time Inventory, Delivery & Lifecycle Information:

Murata Electronics North America RF1391C

For any questions, you can email us directly: <u>sales@integrated-circuit.com</u>



Distributor of Murata Electronics North America: Excellent Integrated System Limited Datasheet of RF1391C - SAW FILTER 433.42MHZ SM5050-8 Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com



	CAUTION: Electrostatic Sensitive Device. Observe precautions for handling. NOTES:
$\mathbf{\Psi}$	NOTES:

Absolute Value during the First Year

Unless noted otherwise, all measurements are made with the filter installed in the specified test fixture which is connected to a 50 Ω test system with VSWR \leq 1 1.2:1. The test fixture L and C are adjusted for minimum insertion loss at the filter center frequency, fc. Note that insertion loss and bandwidth and passband shape are dependent on the impedance matching component values and quality.

f_O

FTC

|fA|

ZIN

Z_{OUT}

15

3, 4

5

1

25

f_c

0.032

≤10

212 Ω // 3.1 pF

212 Ω // 3.1 pF

415 YWWS

500 pieces/reel

3000 pieces/reel

35

°C

MHz

ppm/°C²

ppm/yr

2 The frequency f_c is defined as the midpoint between the 3dB frequencies.

3. 4.

Turnover Temperature

Freq. Temp. Coefficient

Output $Z_{OUT} = R_{OUT} / / C_{OUT}$

Turnover Frequency

Input $Z_{IN} = R_{IN} / C_{IN}$

7 Inch Reel

13 Inch Reel

- Where noted specifications apply over the entire specified operating temperature range. The turnover temperature, T_0 , is the temperature of maximum (or turnover) frequency, f_0 . The nominal frequency at any case temperature, T_c , may be calculated from: $f = f_0 [1 - FTC (T_0 - T_0)^2]$. Frequency aging is the change in fc with time and is specified at +65°C or less. Aging may exceed the specification for prolonged temperatures above +65°C.
- 5 Typically, aging is greatest the first year after manufacture, decreasing significantly in subsequent years. The design, manufacturing process, and specifications of this device are subject to change without notice. One or more of the following U.S. Patents apply: 4,54,488, 4,616,197, and others pending. All equipment designs utilizing this product must be approved by the appropriate government agency prior to manufacture or sale.
- 6.
- 7.

Lid Symbolization (Y=year WW=week S=Shift)

Frequency Aging

Impedance @ fc

Standard Reel Quantity

Standard Reel Quantity

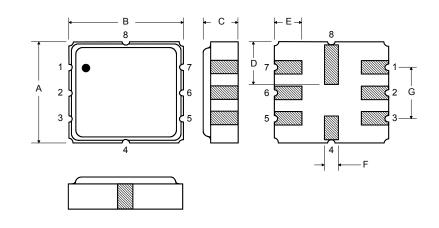


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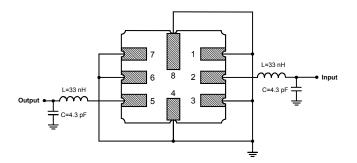
Rating	Value	Units	
Input Power Level		10	dBm
DC Voltage		12	VDC
Storage Temperature		-40 to +85	°C
Soldering Temperature	(10 seconds / 5 cycles max.)	260	°C

Electrical Connections

Pin	Connection
1	Input Ground
2	Input
3	to be Grounded
4	Case Ground
5	Output
6	Output Ground
7	to be Grounded
8	Case Ground



Matching Circuit to 50Ω



Case Dimensions

Dimension		mm			Inches	
	Min	Nom	Max	Min	Nom	Max
Α	4.8	5.0	5.2	0.189	0.197	0.205
В	4.8	5.0	5.2	0.189	0.197	0.205
С			1.7			0.067
D		2.08			0.082	
E		1.17			0.046	
F		0.64			0.025	
G	2.39	2.54	2.69	0.094	0.100	0.106

Optional

Pin	Connection
1	
1	Input
2	Input Ground
3	Ground
4	Case Ground
5	Output Ground
6	Output
7	Ground
8	Case Ground

