



RFM Integrated Device, Inc.

PRODUCT SPECIFICATION

Part Number: SF2631K

FILTER, 869.000 MHz, BW 2.0
MHz, IL 3.0 dB

A. MAXIMUM RATING:

- Input Power Level: 18 dBm
- DC Voltage : 6V
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: 3

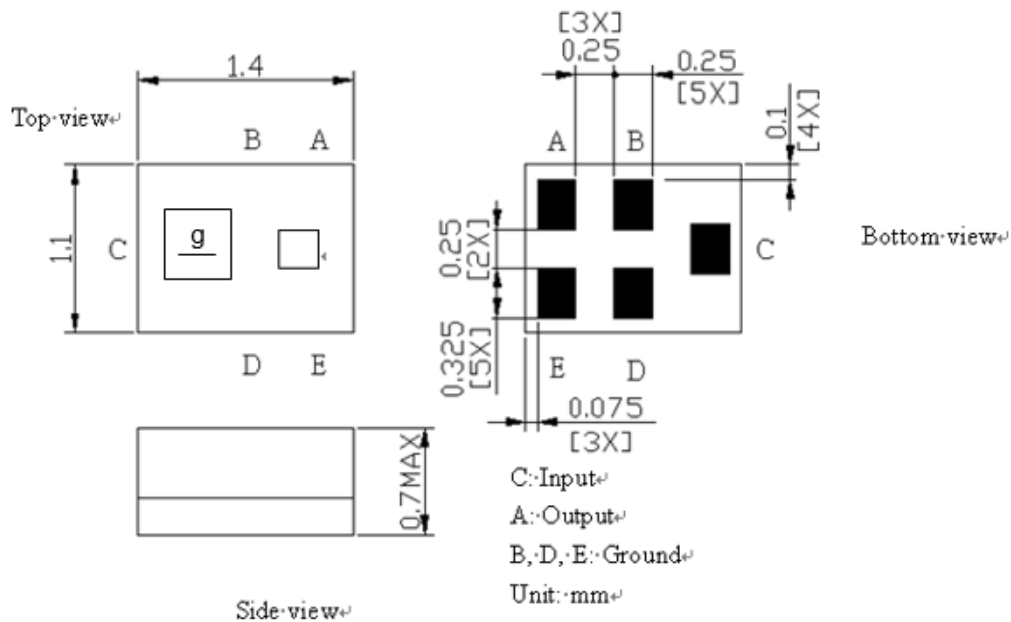
**B. ELECTRICAL CHARACTERISTICS:**

Terminating source impedance (single) : $Z_s = 50 \Omega$

Terminating load impedance(single) : $Z_L = 50 \Omega$

Item	Unit	Min	Type.	Max
Center Frequency Fc	MHz	-	869	-
Insertion Loss (868~870 MHz) IL	dB		2.5	3.0
Amplitude ripple(868~870 MHz)	dB		0.5	1.2
VSWR				
Input (868~870 MHz)			1.4	2.0
Output (868~870 MHz)			1.4	2.0
Attenuation				
10 ~ 845 MHz	dB	30	35	
845 ~ 851 MHz	dB	33	38	
851 ~ 856 MHz	dB	20	25	
883 ~ 892 MHz	dB	30	35	
892 ~ 910 MHz	dB	35	40	
910 ~ 1000 MHz	dB	35	40	
1500 MHz	dB		35	
Package size	mm	SMD 1411		

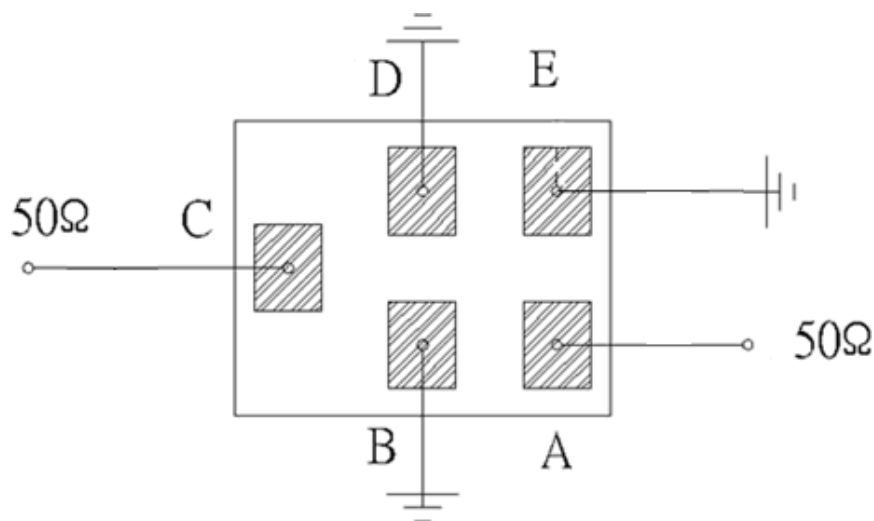
C.OUTLINE DRAWING:



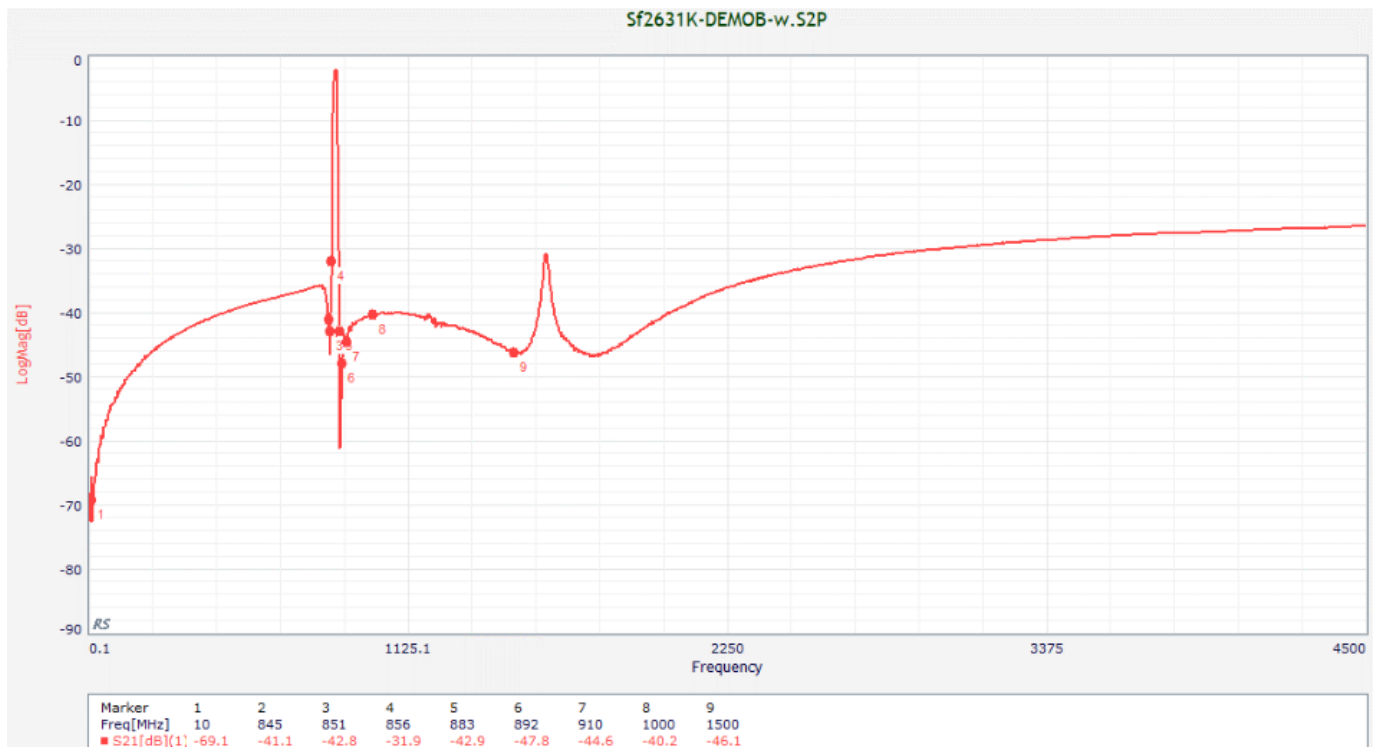
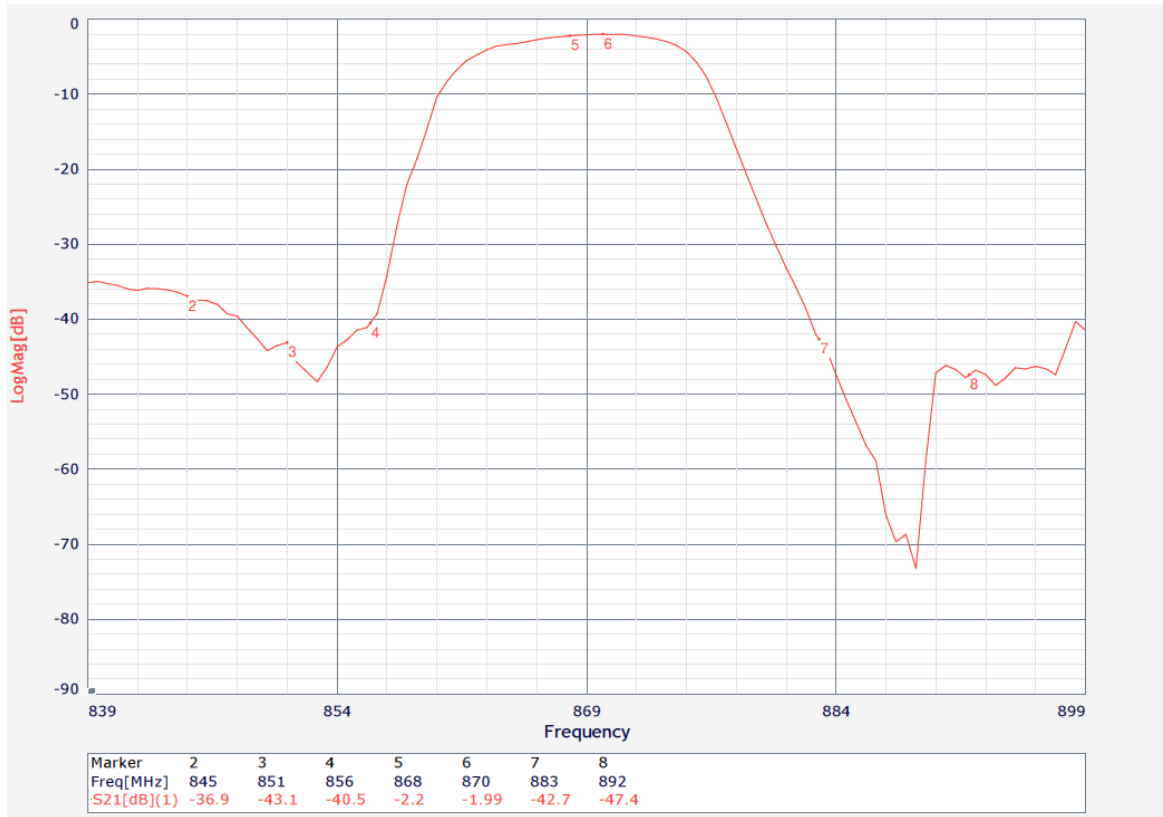
□ : Year/Month Code (Follow the table)

YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
2019	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>j</u>	<u>k</u>	<u>l</u>	<u>m</u>
2020	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>

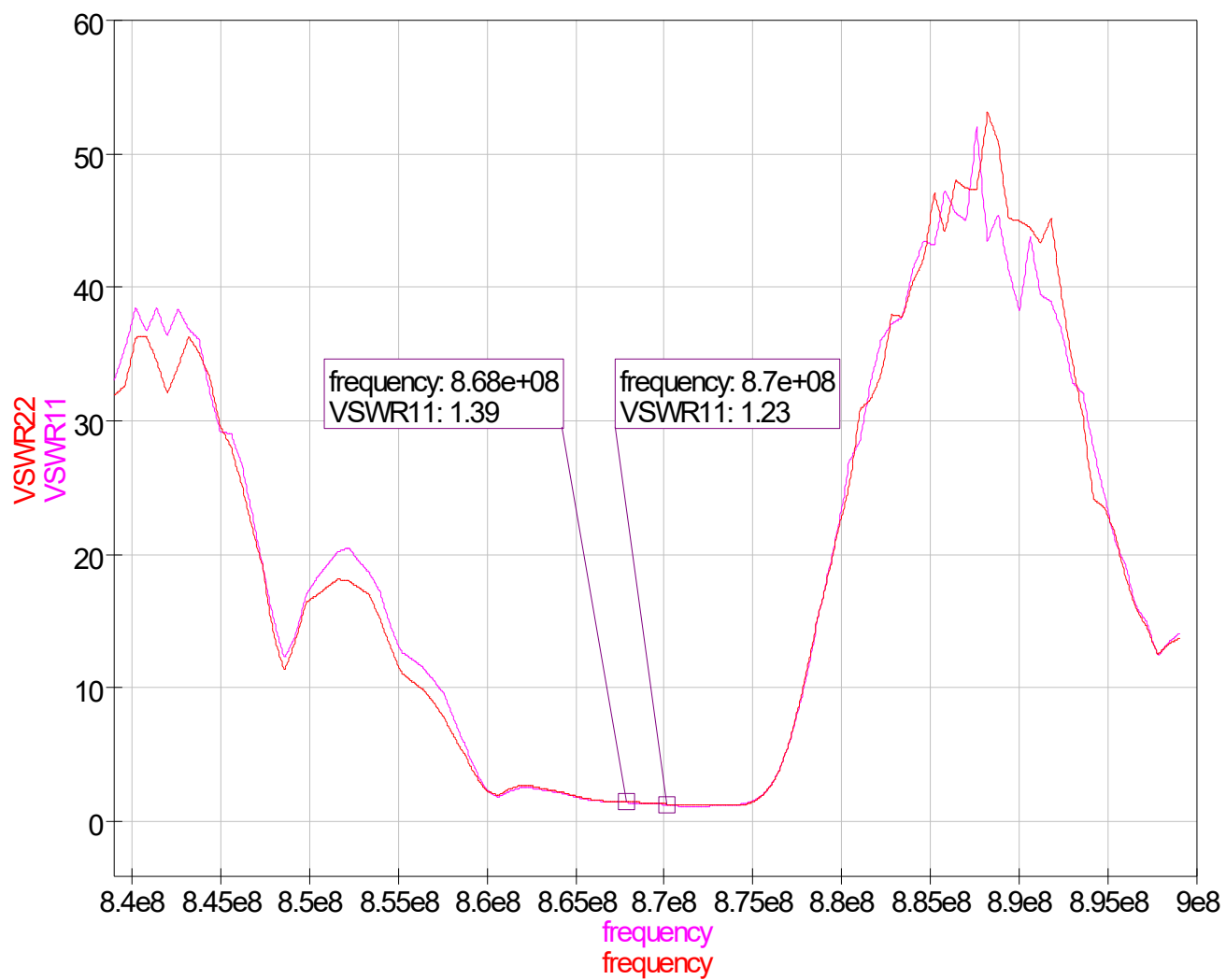
D. MEASUREMENT CIRCUIT:



E. Frequency Characteristics:
S21 response:



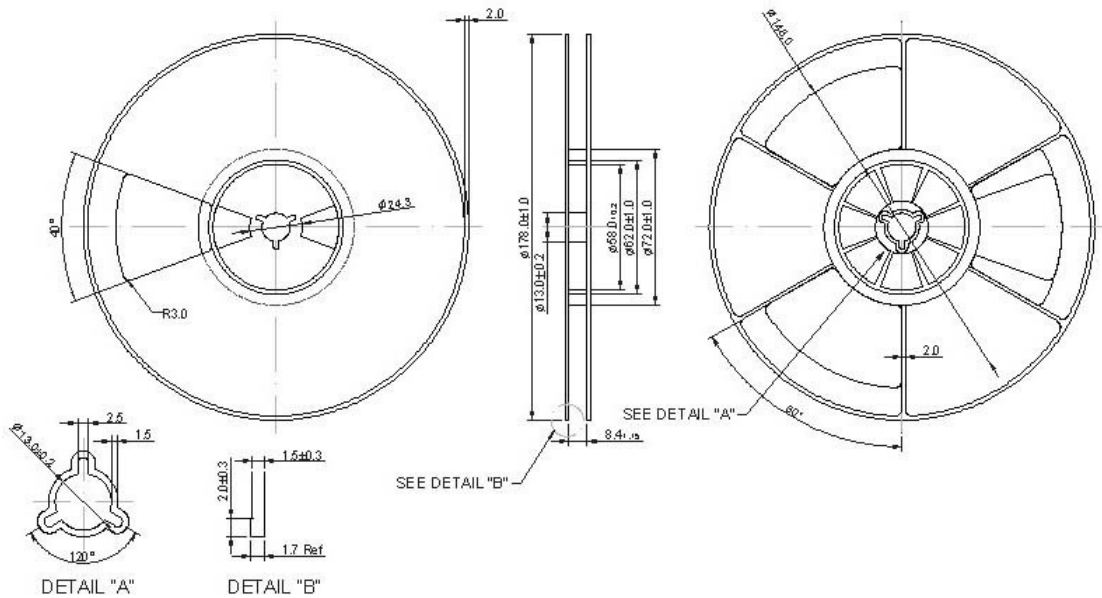
VSWR response :



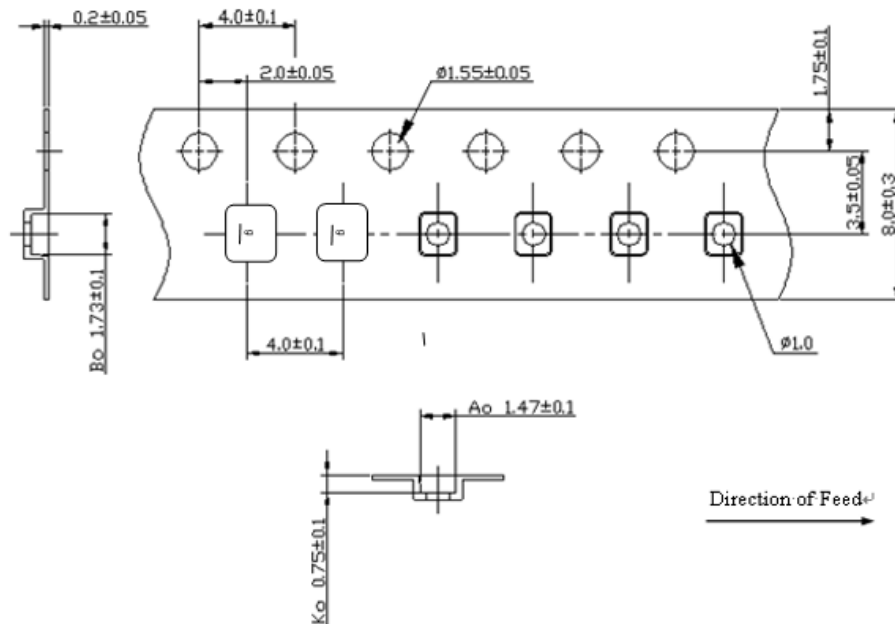
F. PACKING:

1. REEL DIMENSION

Reel Count: 7" = 3000



2. TAPE DIMENSION



G. Recommended Reflow Profile

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C +0/-5°C peak (10 seconds).
4. Time: 5 times maximum.

