



RFM Integrated Device, Inc.

PRODUCT SPECIFICATION

Part Number:

SF2562L

FILTER, SAW RX LTE BAND
26, 876.5 MHz, BW 30 MHz,
IL 3.8 dB

SMD 1.1 x 0.9 mm

MAXIMUM RATING

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -55°C to +125°C
5. Moisture Sensitive Level : Level 3(MSL3)
6. ESD 100V(MM) 200V(HBM)

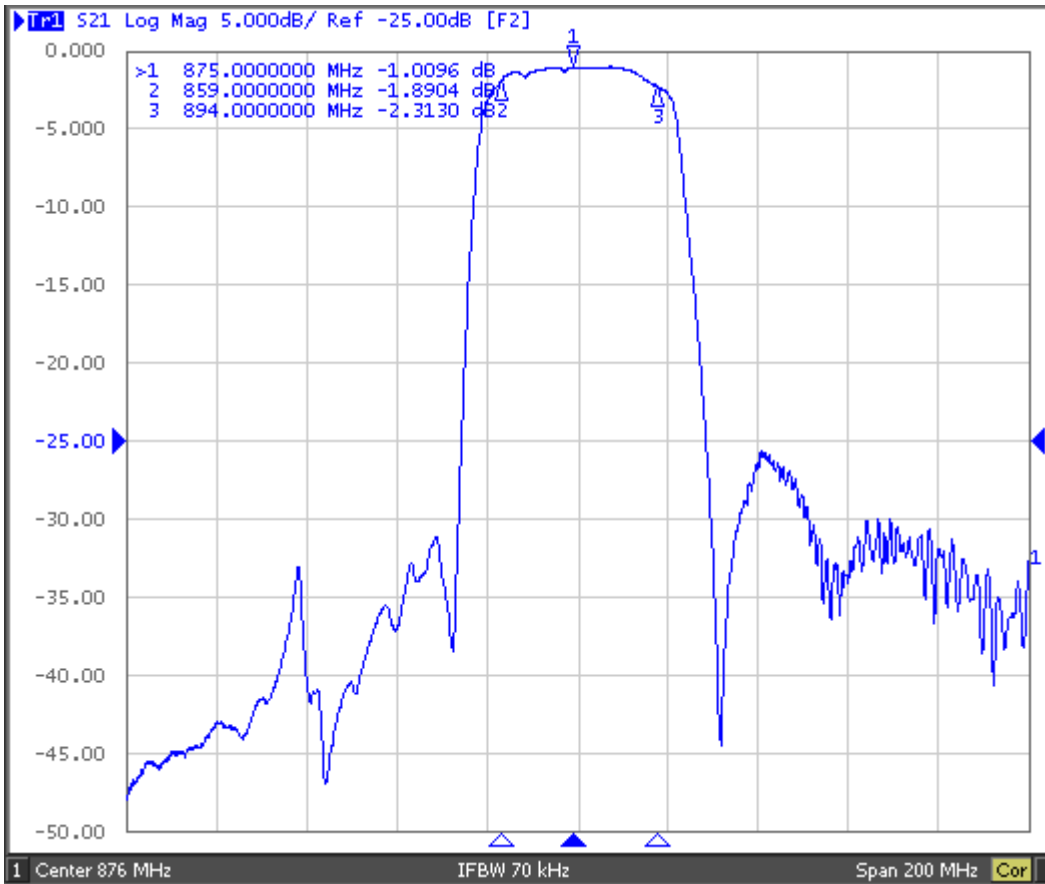


ELECTRICAL CHARACTERISTICS

Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	876.5	-	-
Insertion Loss (859~894 MHz) IL	dB	-	2.1	3	-
(859~894 MHz) IL		-	2.1	2.5	23 to 27°C
VSWR (859~894 MHz)		-	2	2.3	-
Amplitude ripple (859~894 MHz)	dB	-	1.2	2.2	-
Attenuation					
1 ~ 447 MHz	dB	40	46	-	-
814 ~ 849 MHz	dB	30	35	-	-
849 ~ 854 MHz	dB	3	22	-	-
849 ~ 854 MHz	dB	10	22	-	23 to 27°C
909 ~ 979 MHz	dB	25	32	-	-
979 ~ 6000 MHz	dB	20	34	-	-
6013 ~ 6258 MHz	dB	20	34	-	-
6258 ~ 12750 MHz	dB	10	15	-	-
Package size	mm	SMD 1.1x0.9			

FREQUENCY CHARACTERISTICS

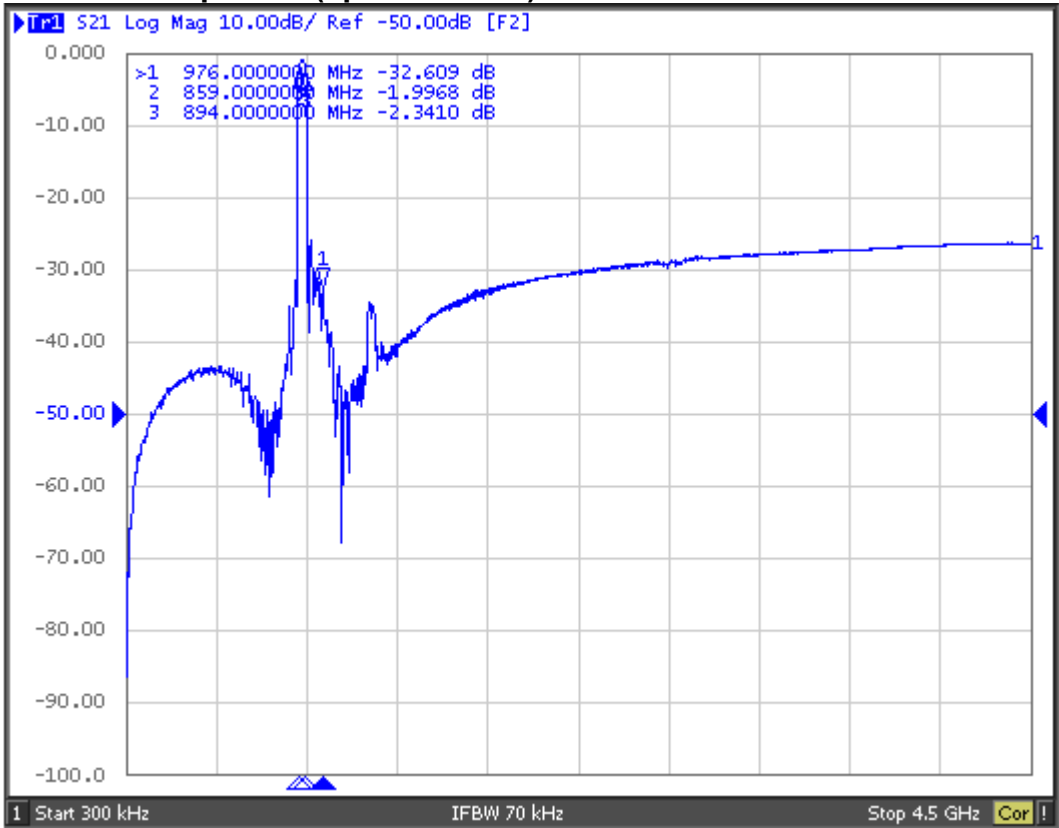
S21 response: (span 200MHz)



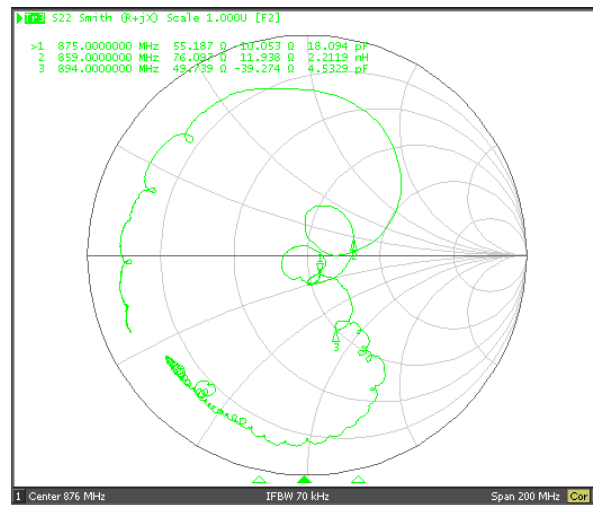
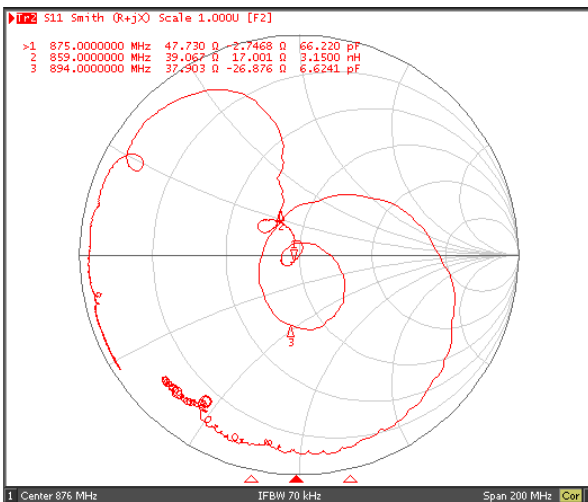
S21 response: (span 100MHz)



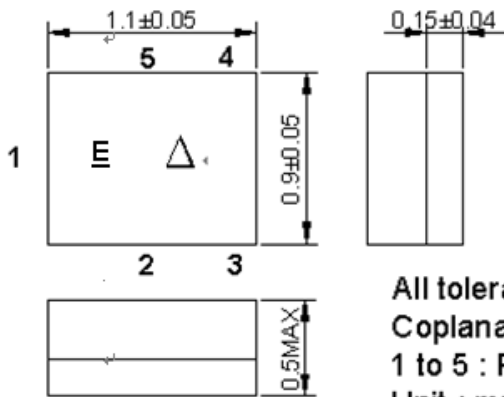
S21 response: (span 100MHz)



S11/S22 :



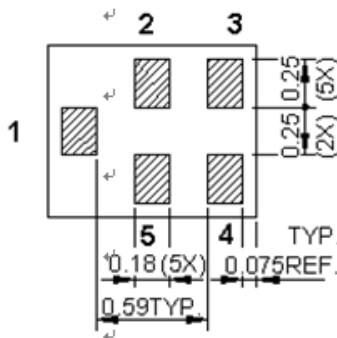
OUTLINE DRAWING



All tolerances are ± 0.05 mm unless otherwise specified
 Coplanarity : 0.1 mm max.

1 to 5 : Pin No.

Unit : mm



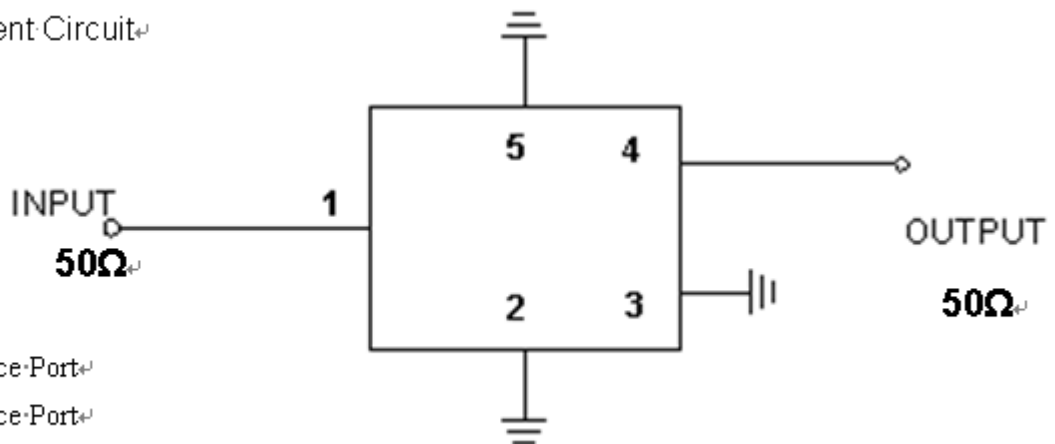
Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

Δ : 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>

MEASUREMENT CIRCUIT

Measurement Circuit

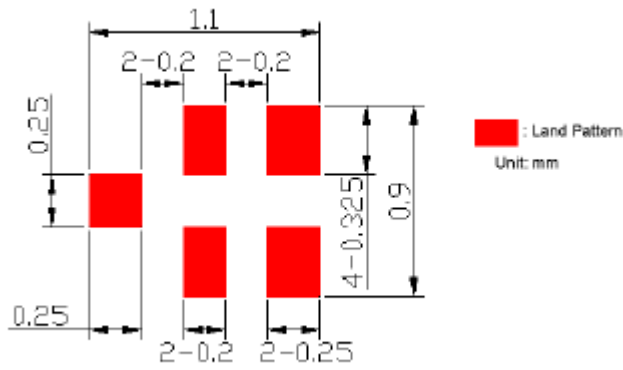


(1) : Unbalance Port

(4) : Unbalance Port

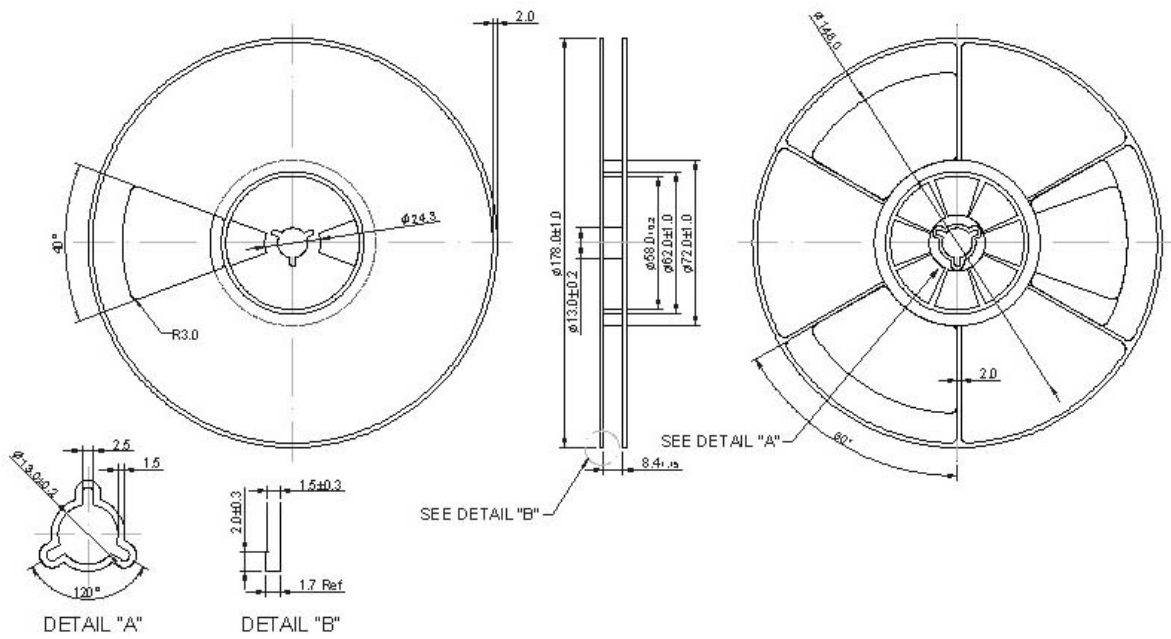
Others : Ground

FOOT PRINT

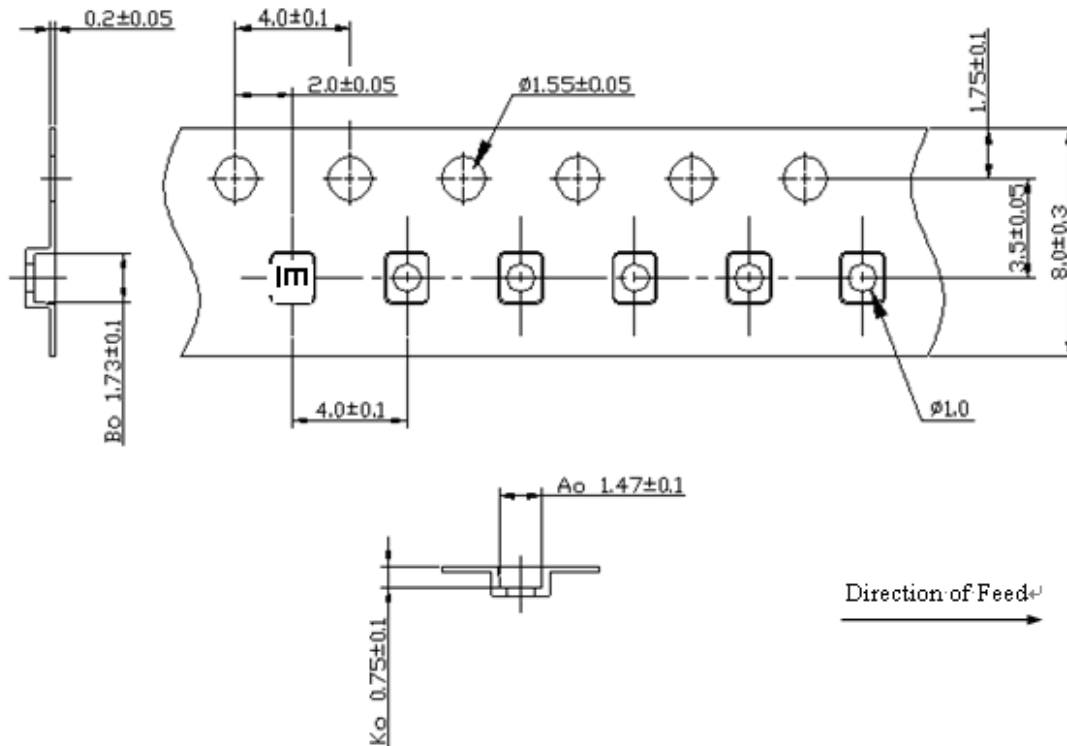


PACKING REEL DIMENSION

Reel Count
 7" = 3000
 13" = 10,000



TAPE DIMENSION



RECOMMENDED REFLOW PROFILE

1. Preheating shall be fixed at $150 \sim 180^\circ\text{C}$ 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 $260^\circ\text{C} + 0/-5^\circ\text{C}$ peak (20~40sec).
4. Time: 2 times.

