



RFM Integrated Device, Inc.

## PRODUCT SPECIFICATION

Part Number:

SF2567L

FILTER, SAW TX BAND 28,  
725.5 MHz, BW 45 MHz, IL 3 dB

SMD 1.1 x 0.9 mm

**A. MAXIMUM RATING:**

- 1. Input Power Level: 20 dBm
- 2. DC Voltage : 0V
- 3. Operating Temperature: -40°C to +85°C
- 4. Storage Temperature: -40°C to +85°C
- 5. Moisture Sensitive Level: Level 3 (MSL3)



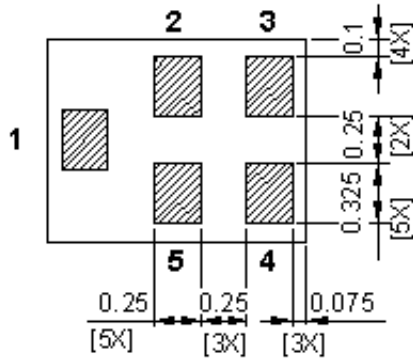
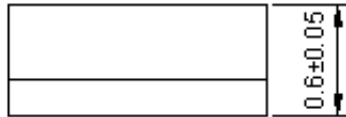
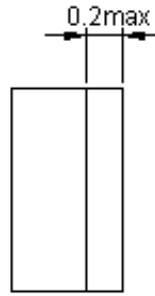
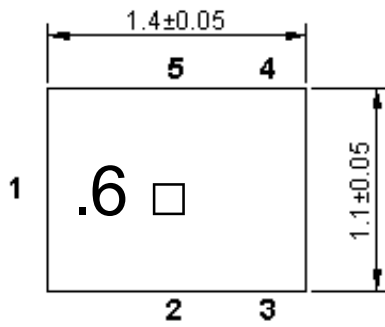
**B. ELECTRICAL CHARACTERISTICS:**

Terminating source impedance:  $Z_s = 50 \Omega$

Terminating load impedance:  $Z_L = 50 \Omega$

Item	Unit	Min	Typ.	Max	Note
<b>Center frequency</b>	MHz	-	725.5	-	-
<b>Insertion Loss (703 ~ 748 MHz)</b>	dB	-	2.8	3.5	25±2°C
<b>Amplitude Ripple(703 ~ 748 MHz)</b>	dB	-	1.6	2.5	25±2°C
<b>Attenuation (Reference level from 0 dB)</b>					
753 MHz	dB	6	12	-	25±2°C
10 ~ 650 MHz	dB	28	32	-	
758 ~ 763 MHz	dB	20	26	-	
763 ~ 803 MHz	dB	20	24	-	
803 ~ 1500 MHz	dB	28	33	-	
1500 ~ 3000 MHz	dB	20	24	-	
<b>Temperature coefficient of Frequency</b>	ppm/K	-36			

**C. OUTLINE DRAWING:**



All tolerances are +/-0.05 mm unless otherwise specified

Coplanarity : 0.1 mm max.

1 to 5 : Pin No.

Unit : mm

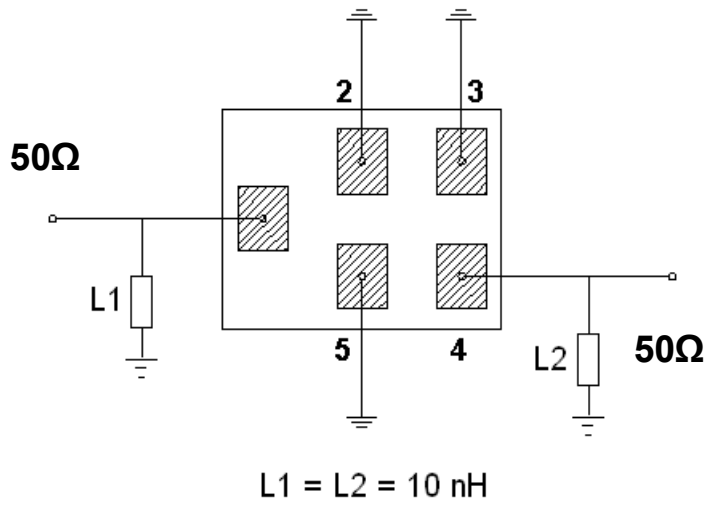
Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

**□ : Year/Month Code (Follow the table)**

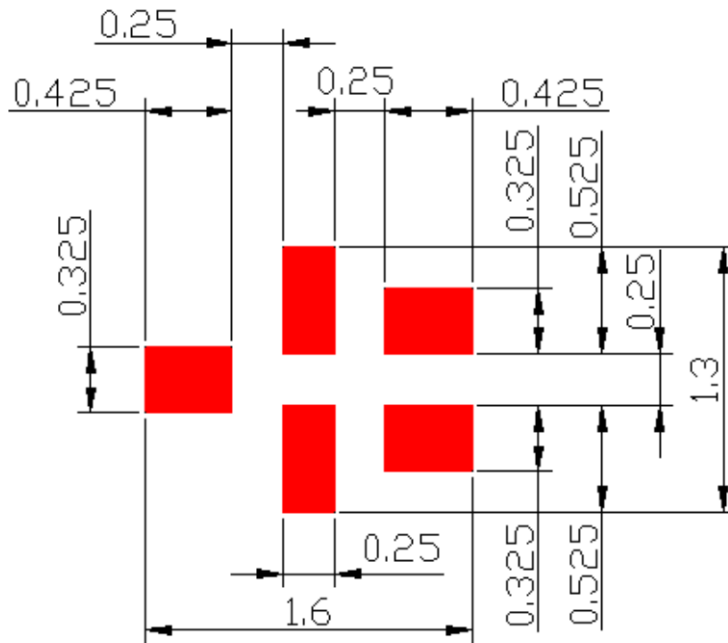
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R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

\* By Network analyzer simulation matching with port extension



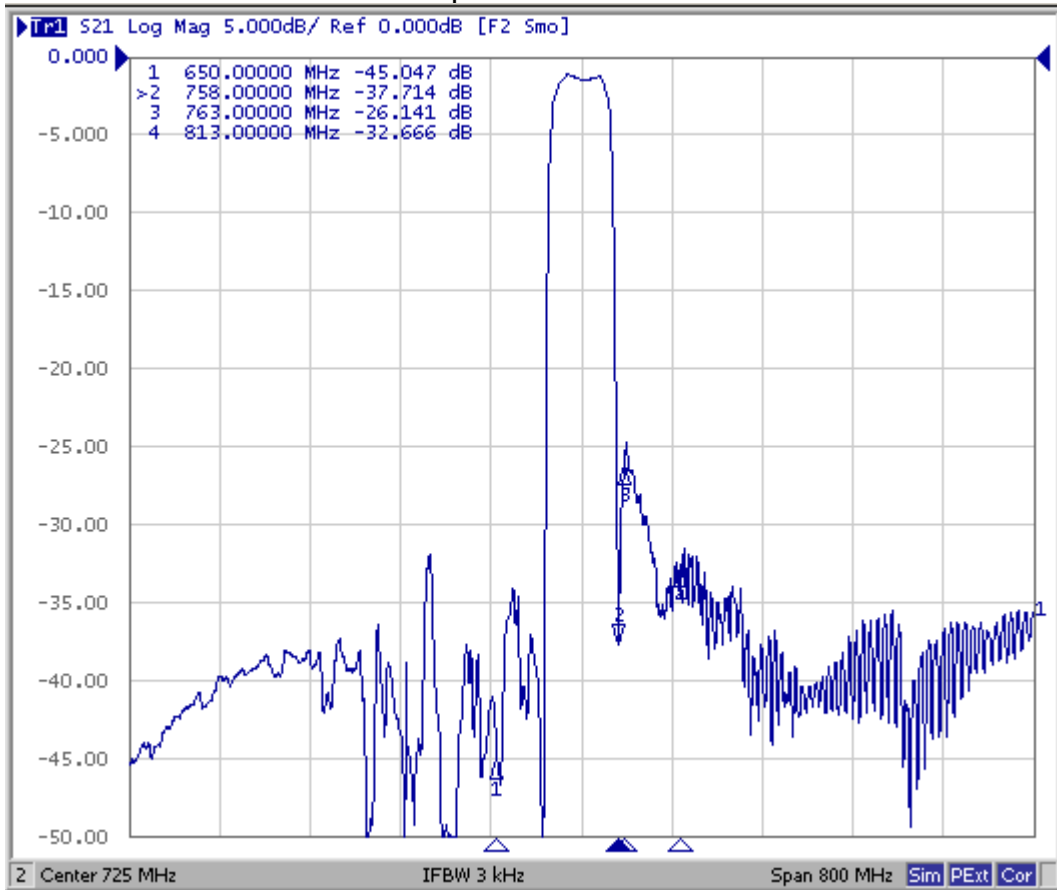
**E. PCB Footprint:**



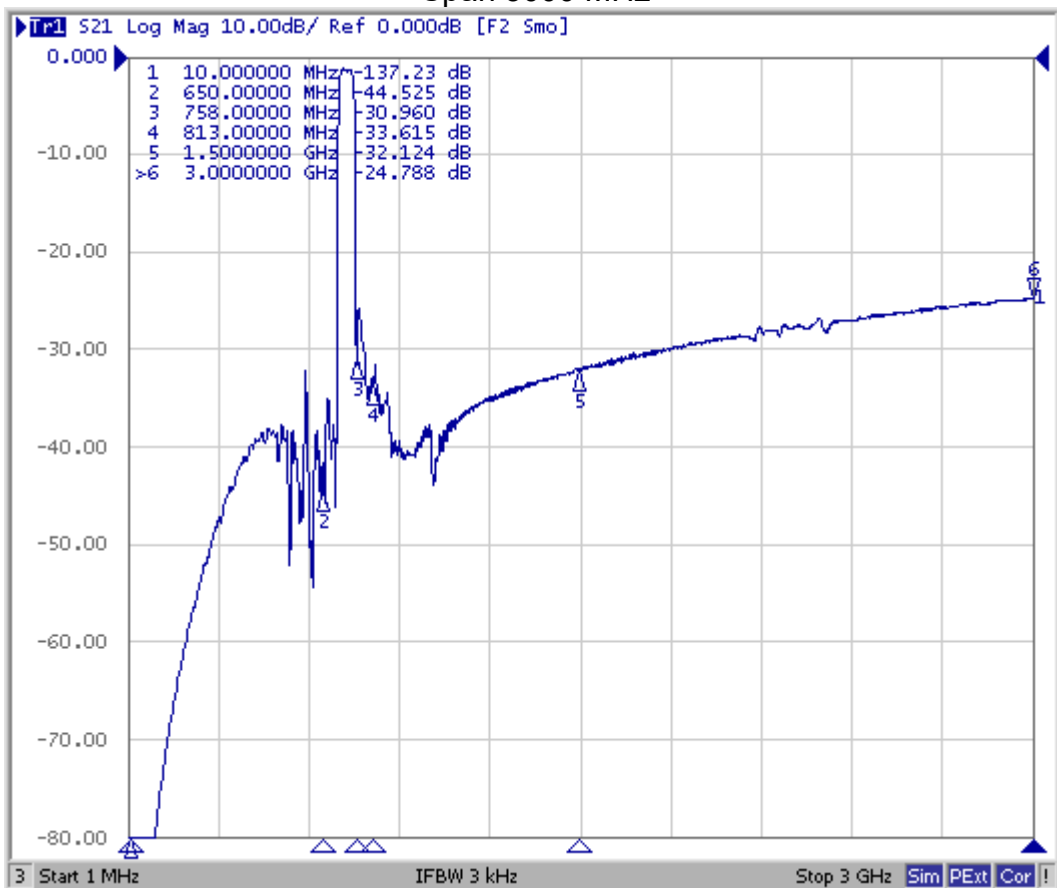
: Land Pattern  
 Unit : mm

**F. Frequency Characteristics:**

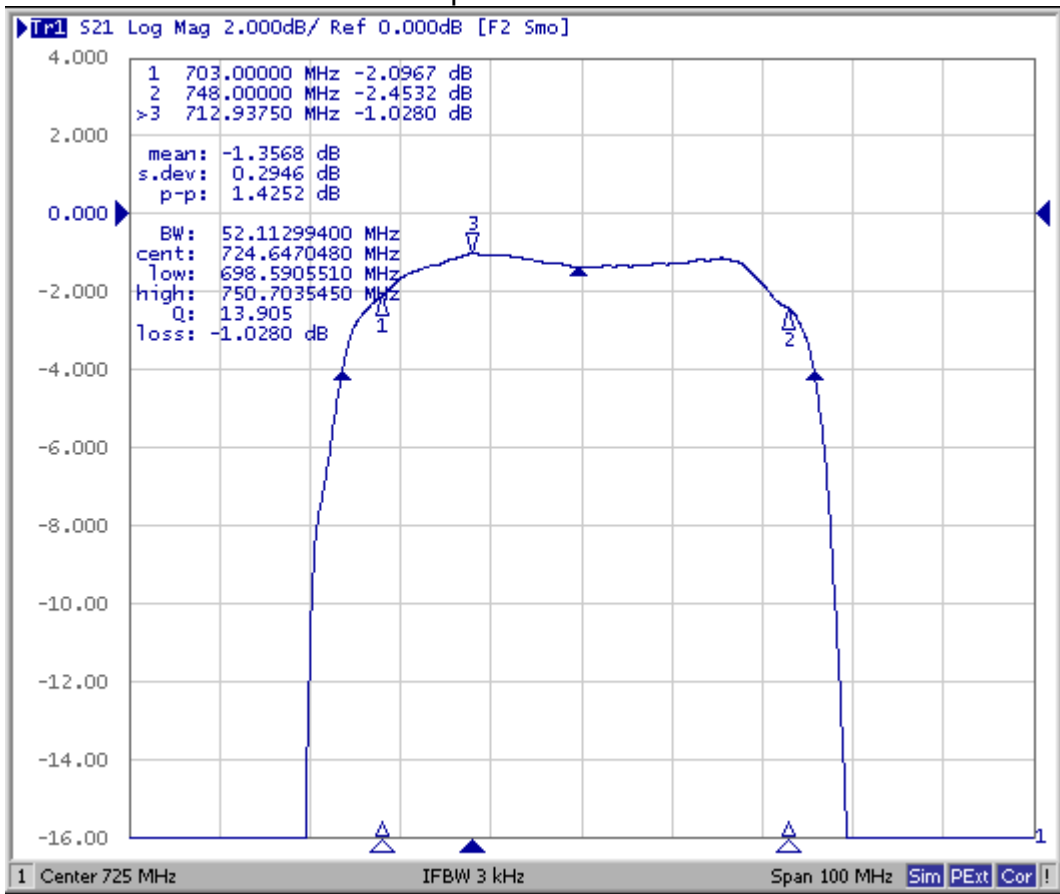
Span 400 MHz



Span 3000 MHz

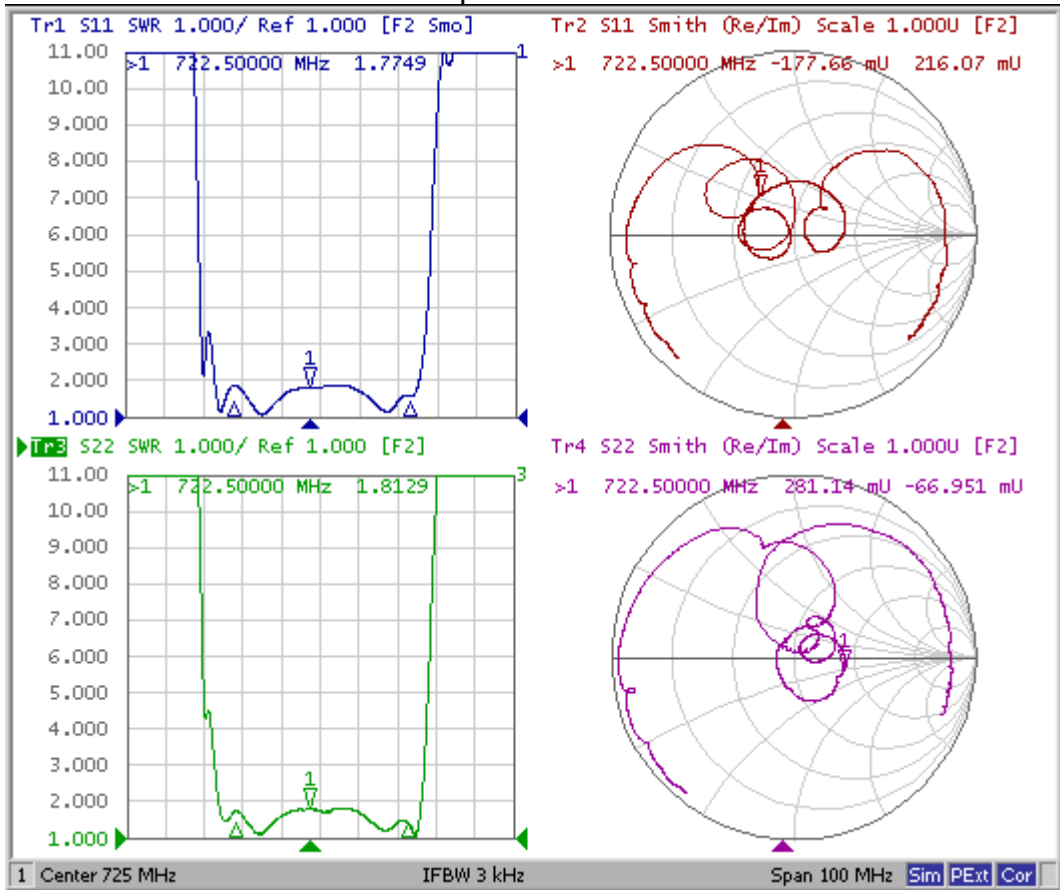


### Span 100 MHz



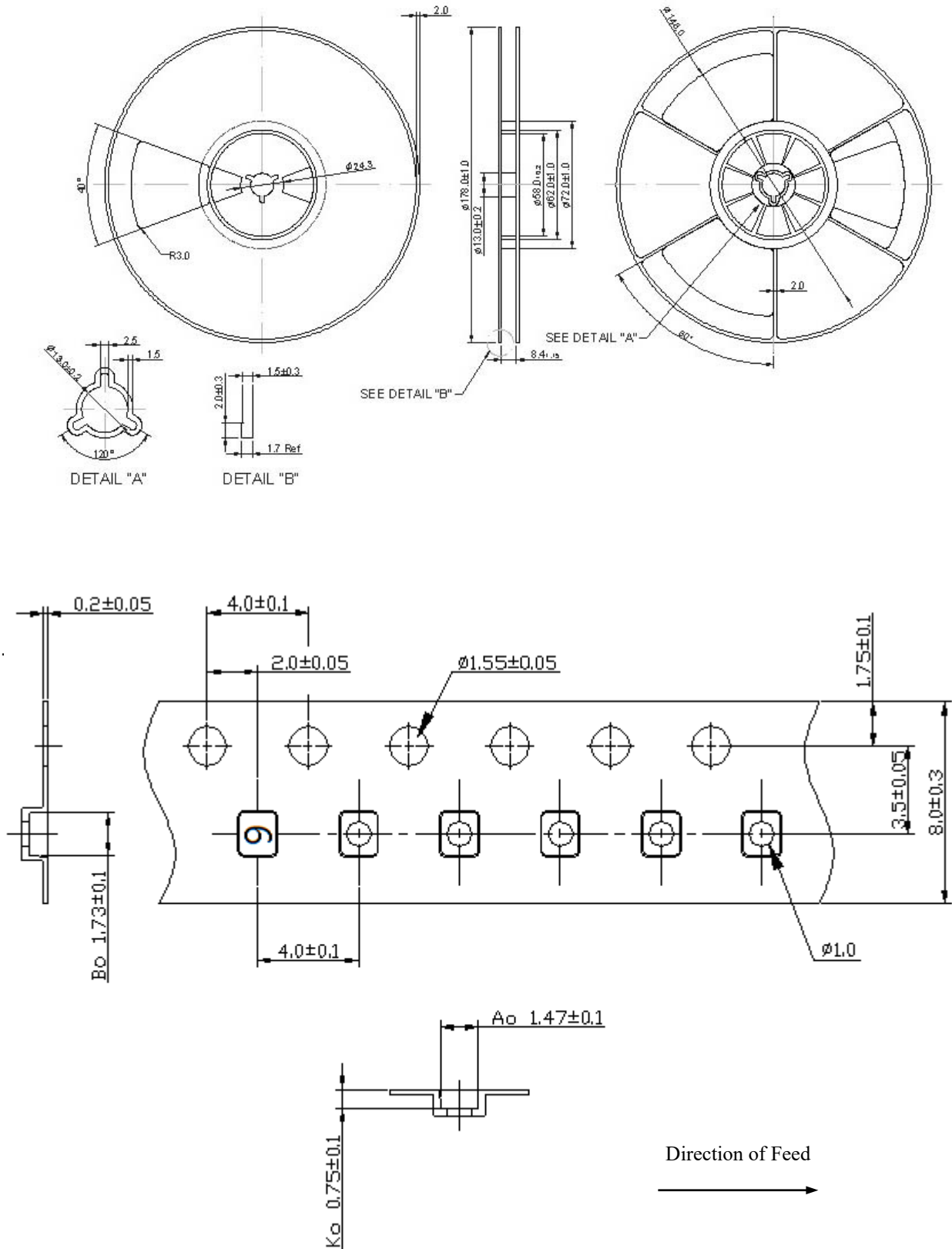
### Reflection Characteristic:

### Span 60 MHz



**PACKING  
REEL DIMENSION**

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



## H. 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 (20~40sec).
4. Time: 2 times.

