

SF2567L

**725.5 MHz
SAW Filter**



SM1109-5

MAXIMUM RATING:

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

ELECTRICAL CHARACTERISTICS:

Terminating source impedance: $Z_S = 50 \Omega$

Terminating load impedance: $Z_L = 50 \Omega$

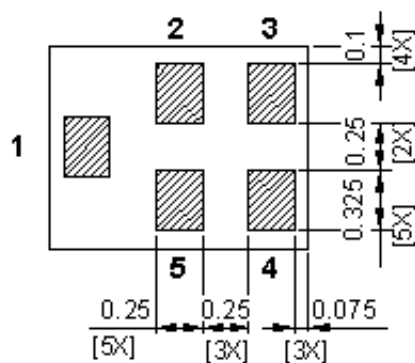
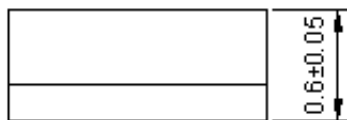
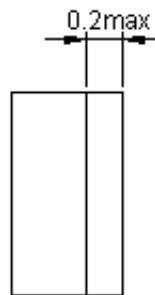
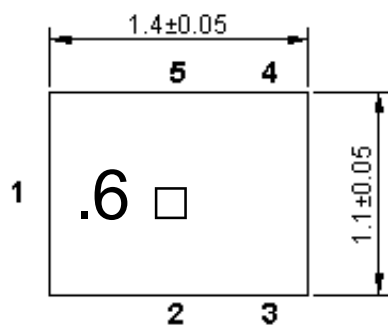
Item	Unit	Min	Typ.	Max	Note
Center frequency	MHz	-	725.5	-	-
Insertion Loss (703 ~ 748 MHz)	dB	-	2.8	3.5	25±2°C
Amplitude Ripple (703 ~ 748 MHz)	dB	-	1.6	2.5	25±2°C
Attenuation (Reference level from 0 dB)					
753 MHz	dB	6	12	-	25±2°C
10 ~ 650 MHz	dB	28	32	-	
758 ~ 763 MHz	dB	20	26	-	
763 ~ 803 MHz	dB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

CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.



1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

OUTLINE DRAWING:



All tolerances are ± 0.05 mm unless otherwise specified

Coplanarity : 0.1 mm max.

1 to 5 : Pin No.

Unit : mm

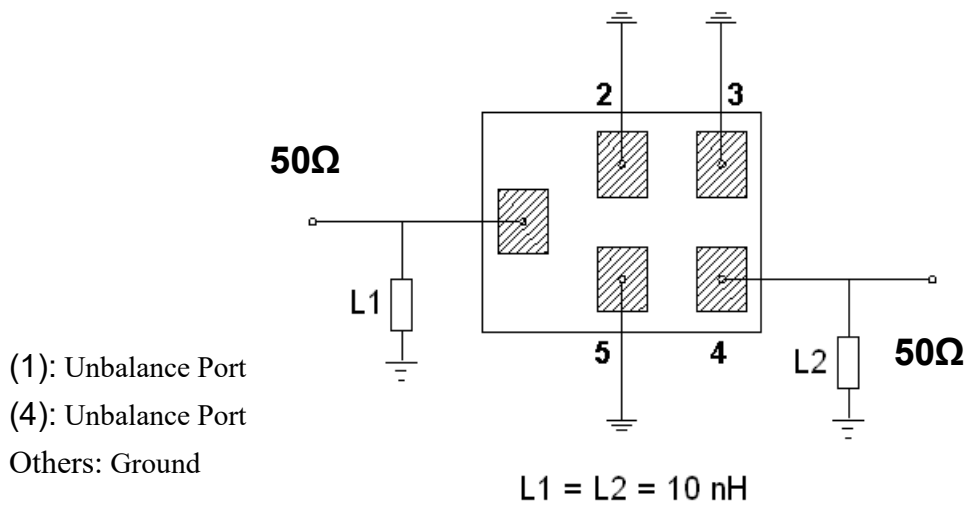
Pin No.	Symbol	Function
1	IN	Input
2	GND	Ground
3	GND	Ground
4	OUT	Output
5	GND	Ground

□ : Year/Month Code (Follow the table)

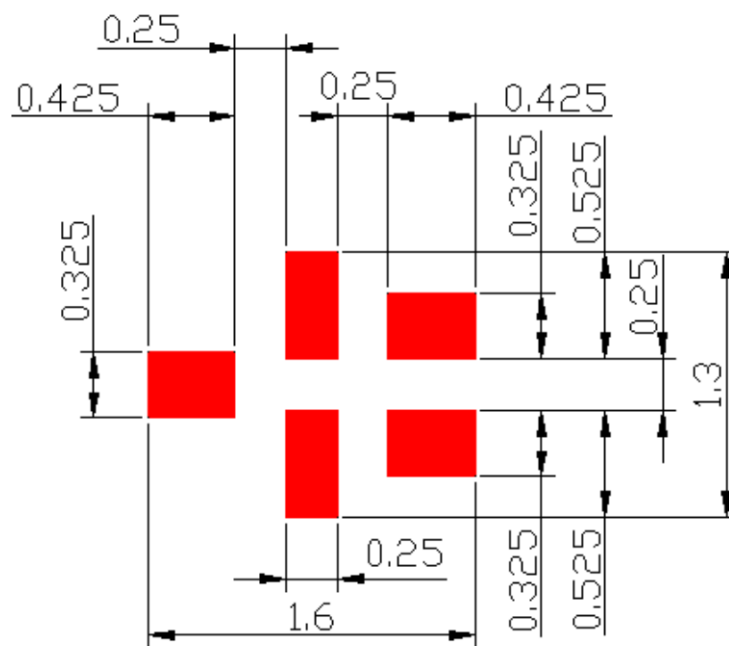
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R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

MEASUREMENT CIRCUIT:

* By Network analyzer simulation matching with port extension



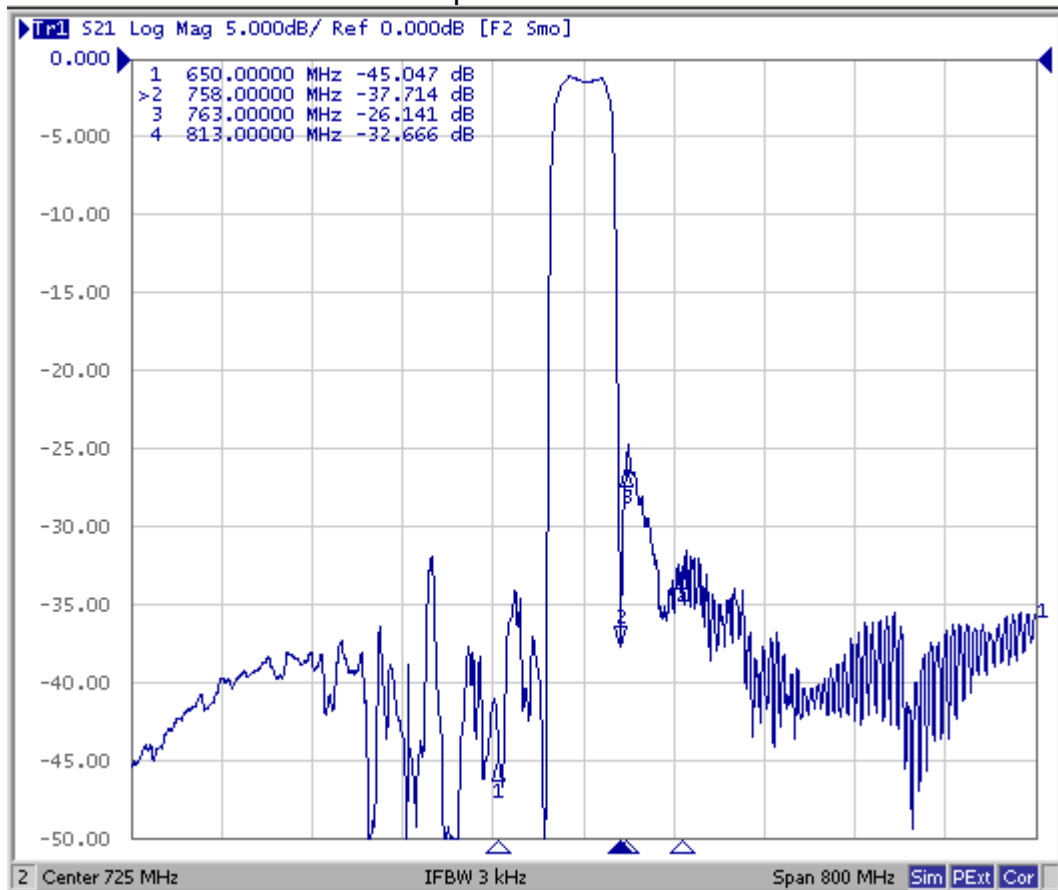
PCB Footprint:



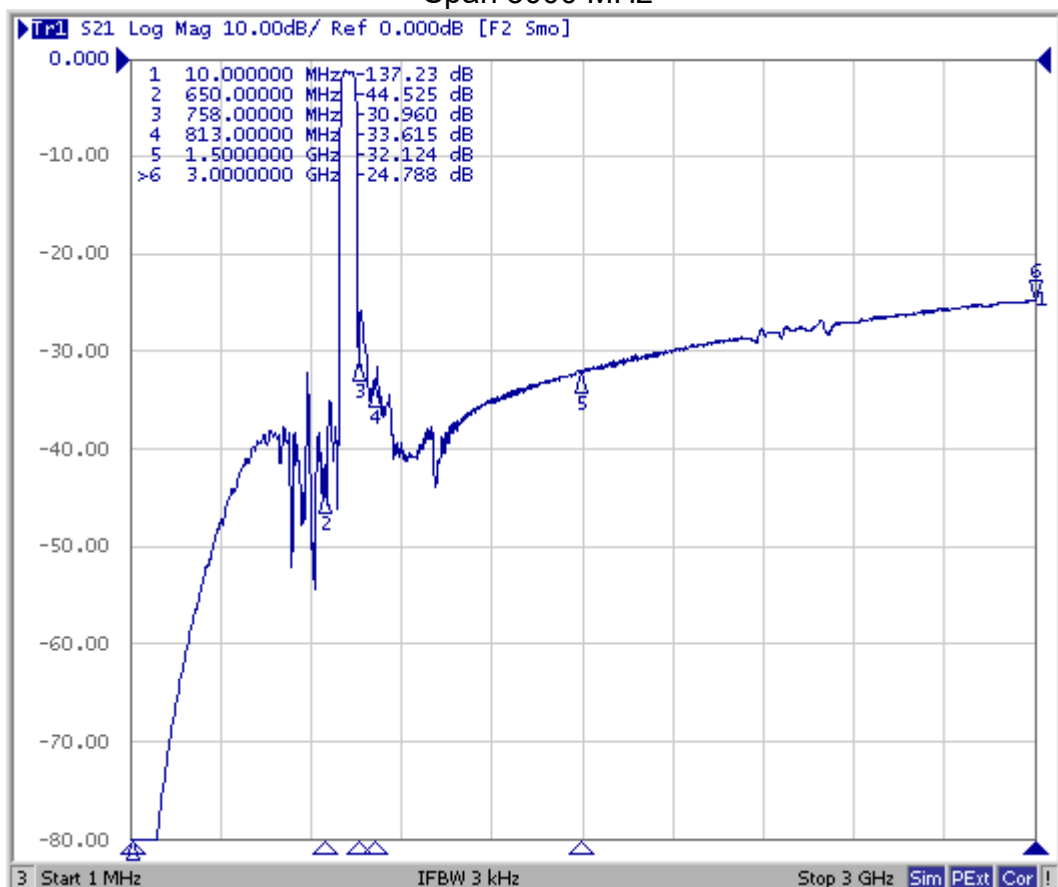
■ : Land Pattern
Unit : mm

Frequency Characteristics:

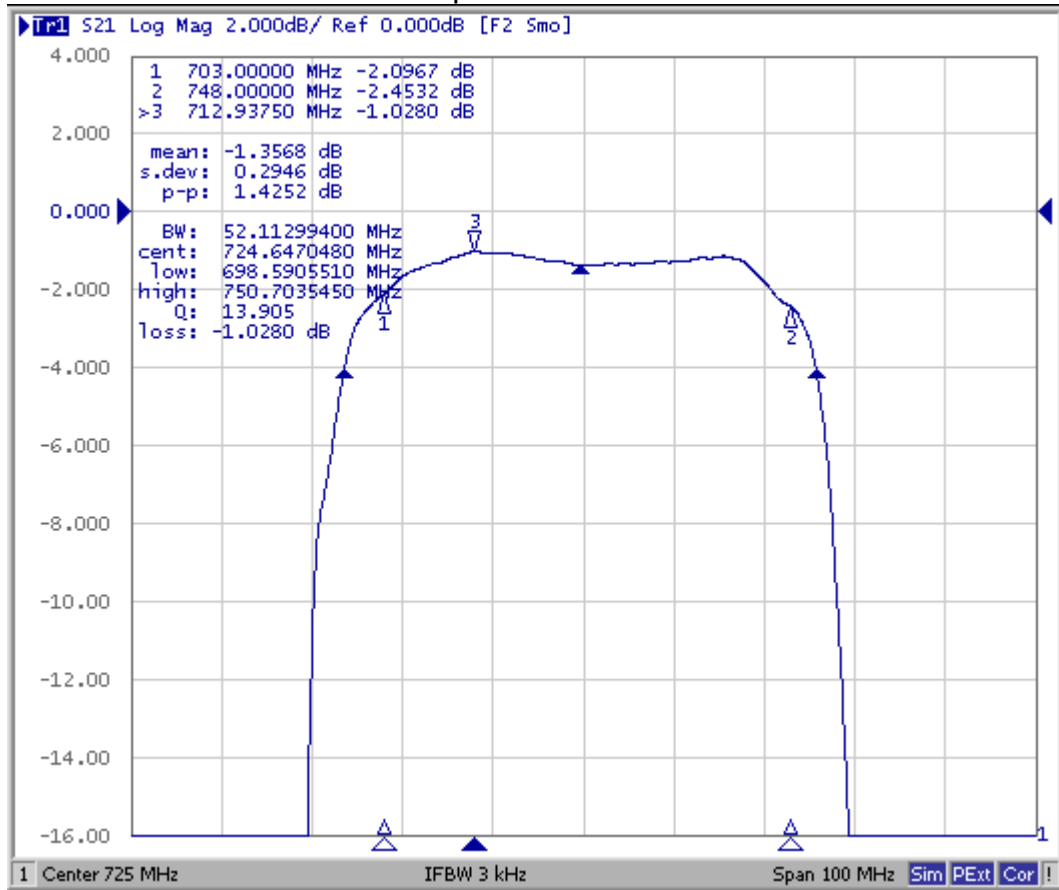
Span 400 MHz



Span 3000 MHz

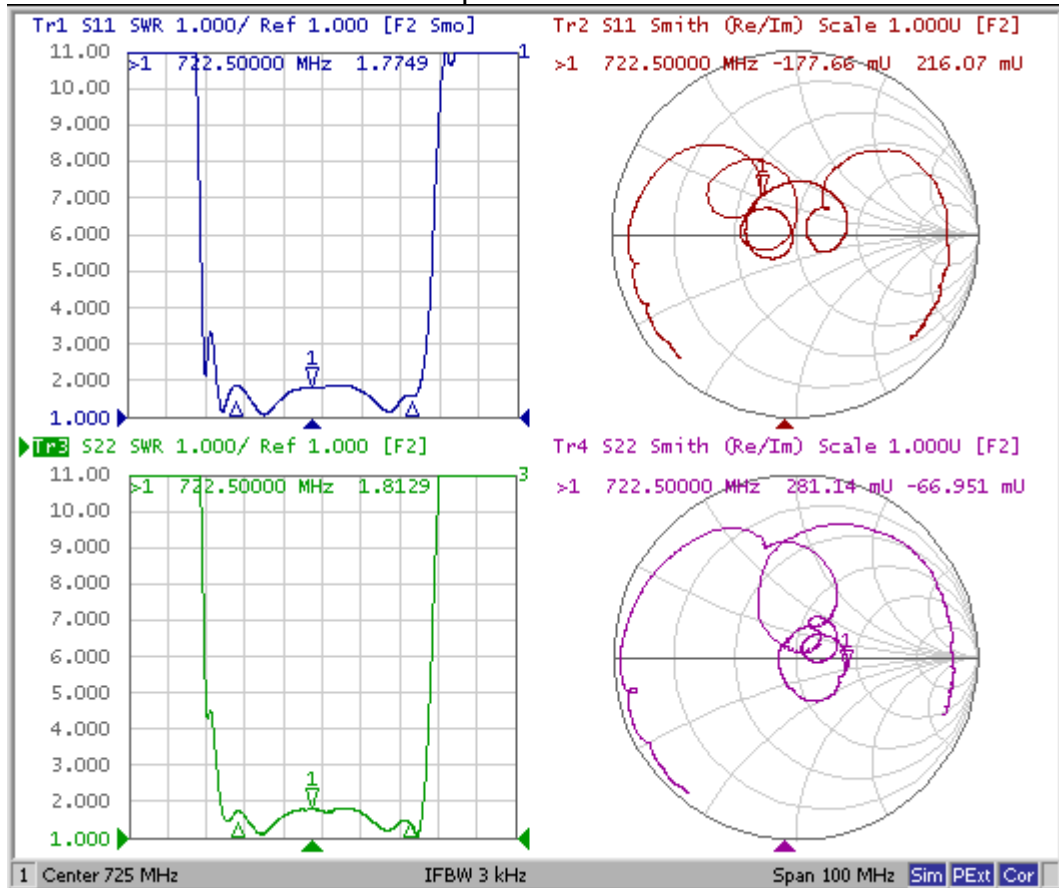


Span 100 MHz



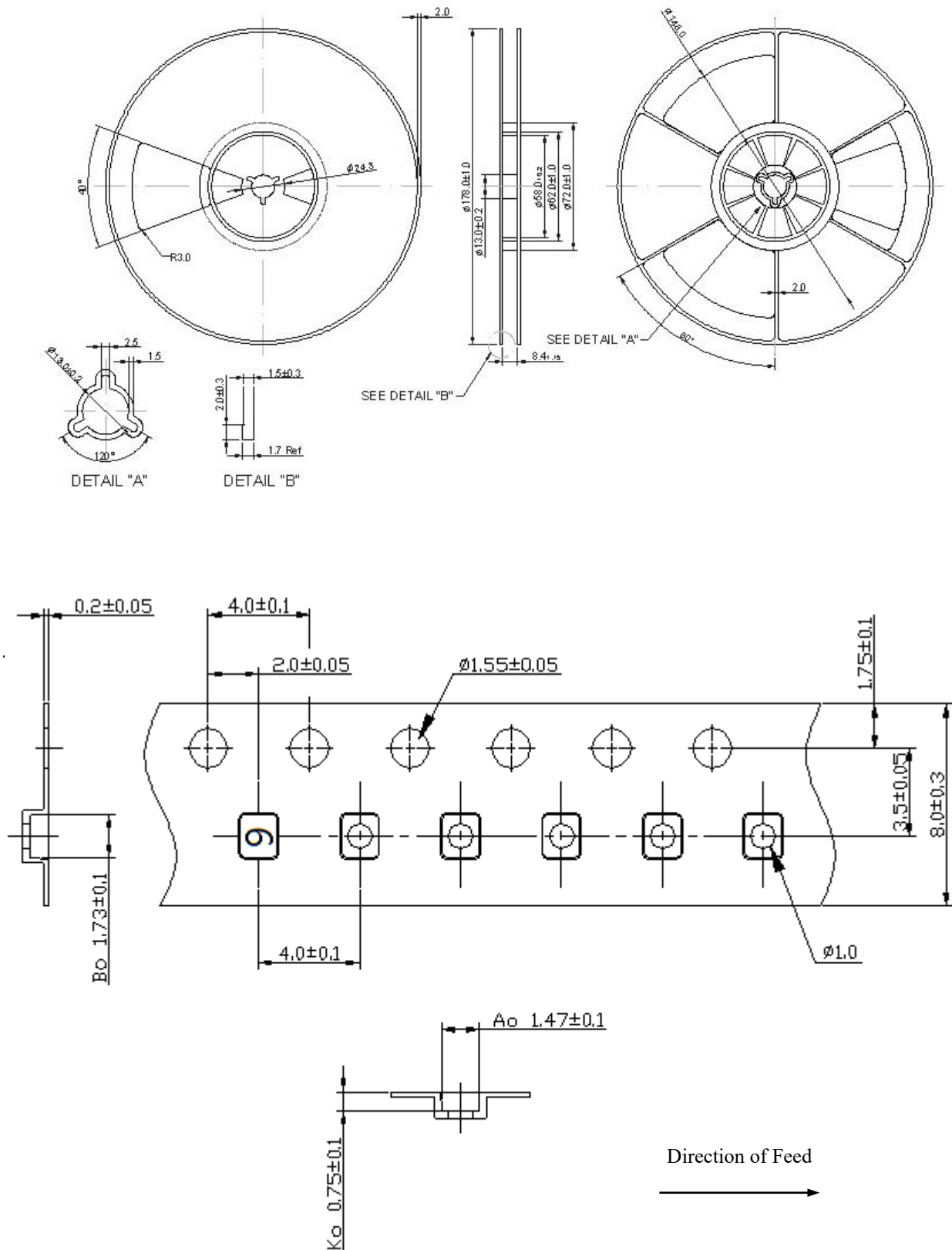
Reflection Characteristic:

Span 60 MHz



PACKING
REEL DIMENSION

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



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.

