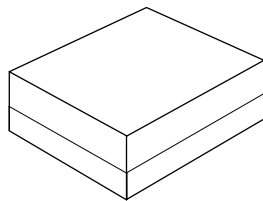


SF2606K
634.5 MHz SAW Filter
 SM1411-5 (Molded)

MAXIMUM RATING:

- Input Power Level: 10 dBm
- DC Voltage : 0 V
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitive Level (MSL): Level 3

ELECTRICAL CHARACTERISTICS:

Terminating source impedance : = 50 Ω
 Terminating load impedance : Z_L = 50 Ω

Item	Unit	Min	Typ.	Max	
Center frequency	MHz	-	634.5	-	-
Insertion Loss (617 ~ 652 MHz)	dB	-	2.6	3.5	25±2°C
Amplitude Ripple(617 ~ 652 MHz)	dB		1.5	2.5	25±2°C
Attenuation (Reference level from 0 dB)					
DC ~ 550 MHz	dB	28	3		
550 ~ 600 MHz	dB	34	3		
670 ~ 700 MHz	dB	20	2		
700 ~ 3000 MHz	dB	30	3		
Temperature coefficient of Frequency	ppm/K	-36			

* Specification including temperature tolerant.

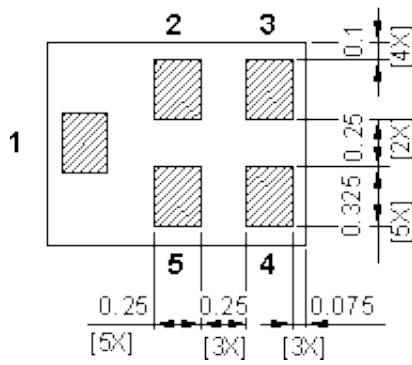
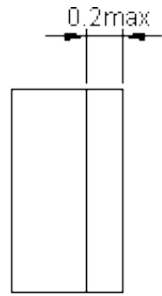
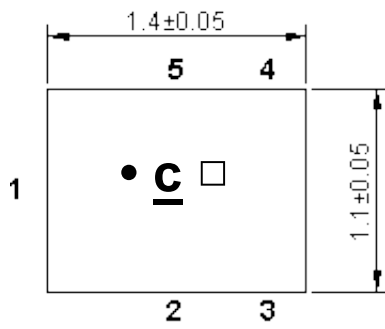


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

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.

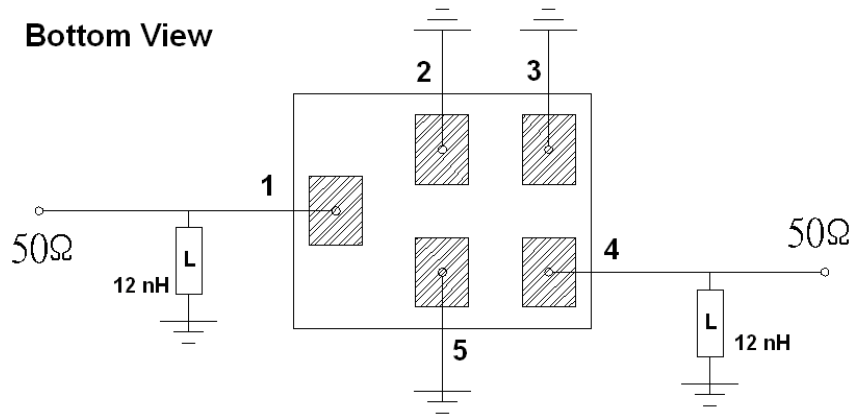
Unit : mm

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)

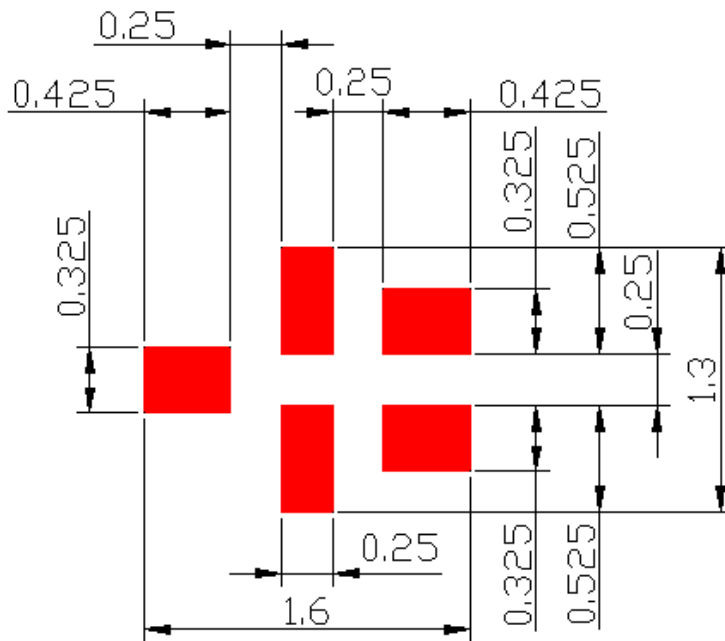
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	F	g	h	j	k	l	m
2016	n	p	q	r	s	T	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R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


MEASUREMENT CIRCUIT



- (1): Unbalance Port
- (4): Unbalance Port
- Others: Ground

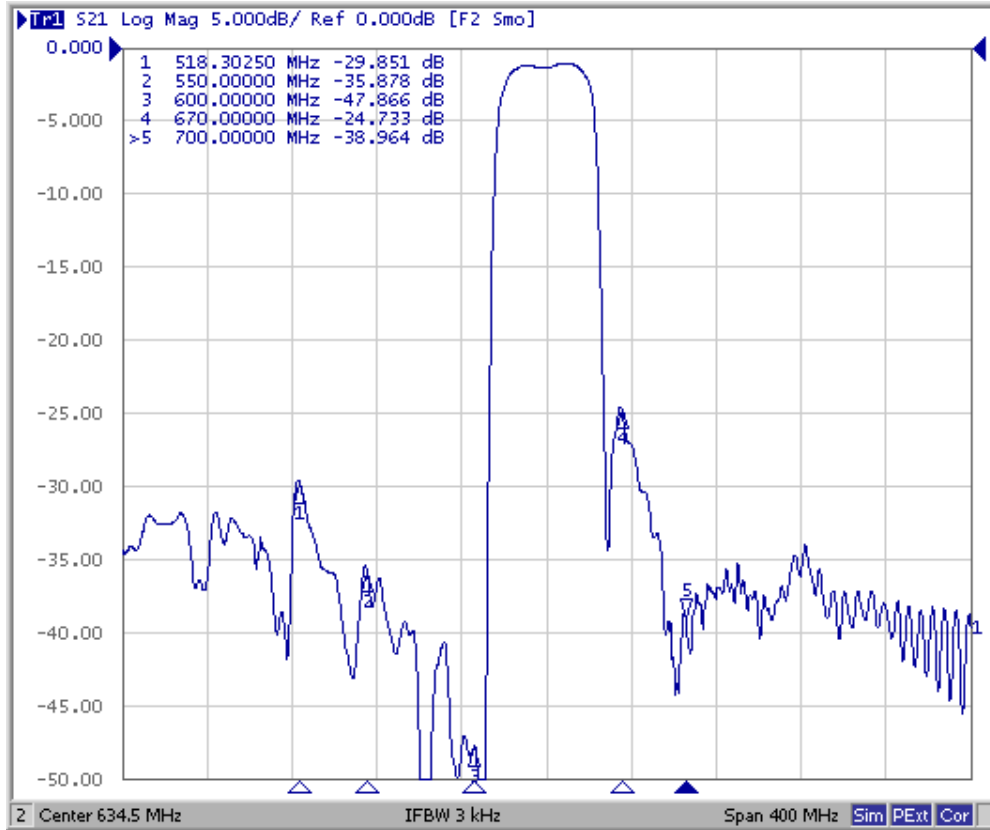
PCB Footprint



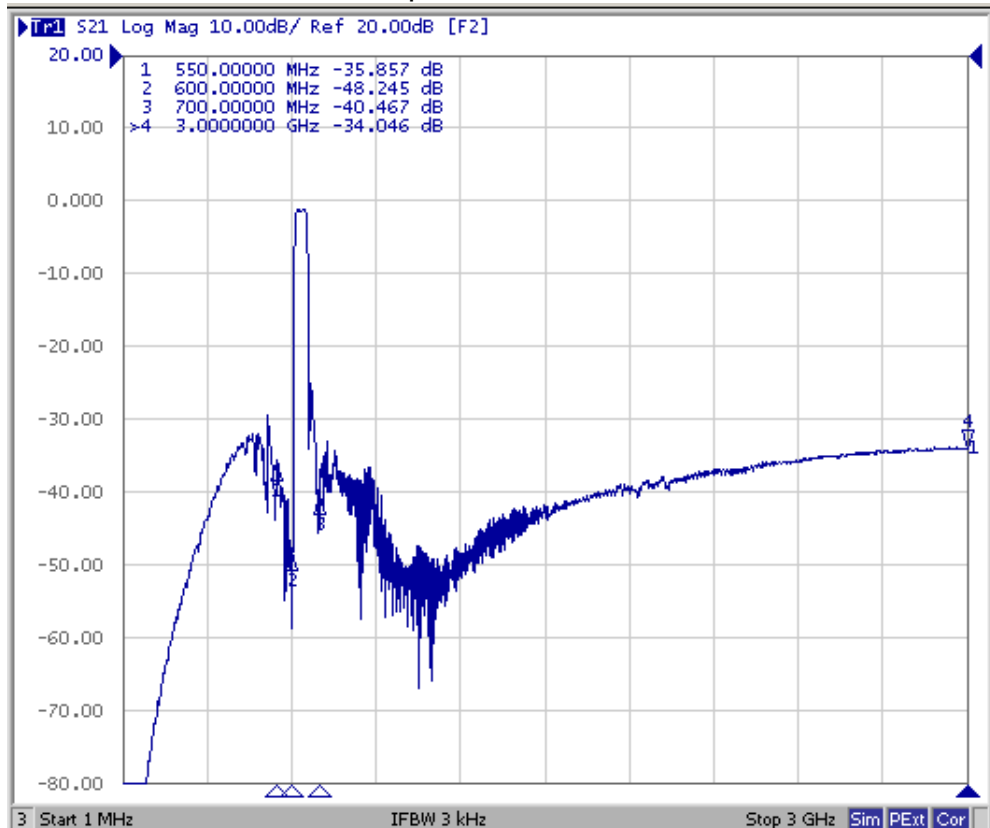
 : Land Pattern
Unit : mm

FREQUENCY CHARACTERISTICS

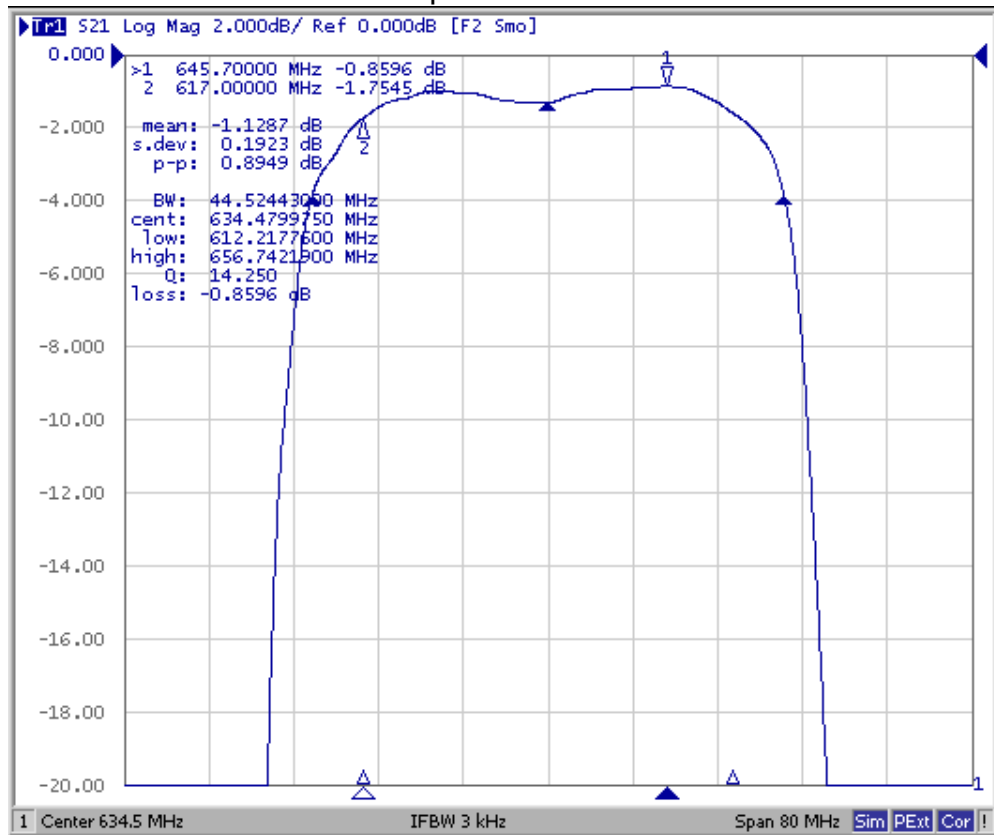
Span 400 MHz



Span 3000 MHz

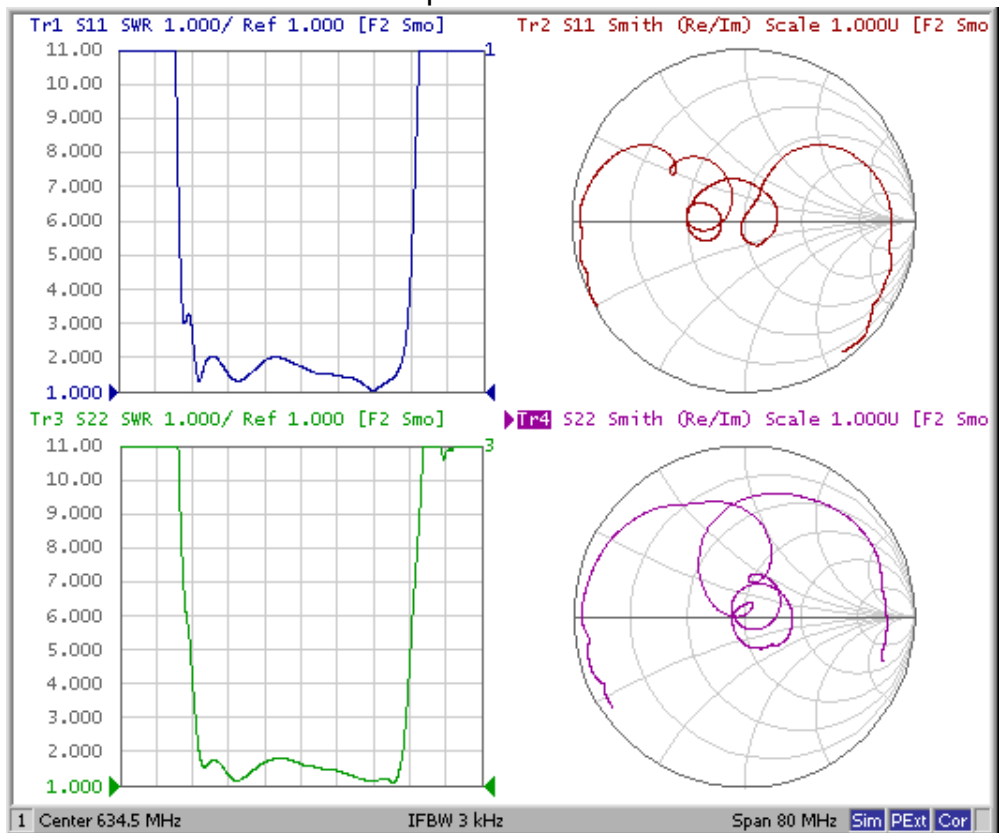


Span 80 MHz



Reflection Characteristic:

Span 80 MHz

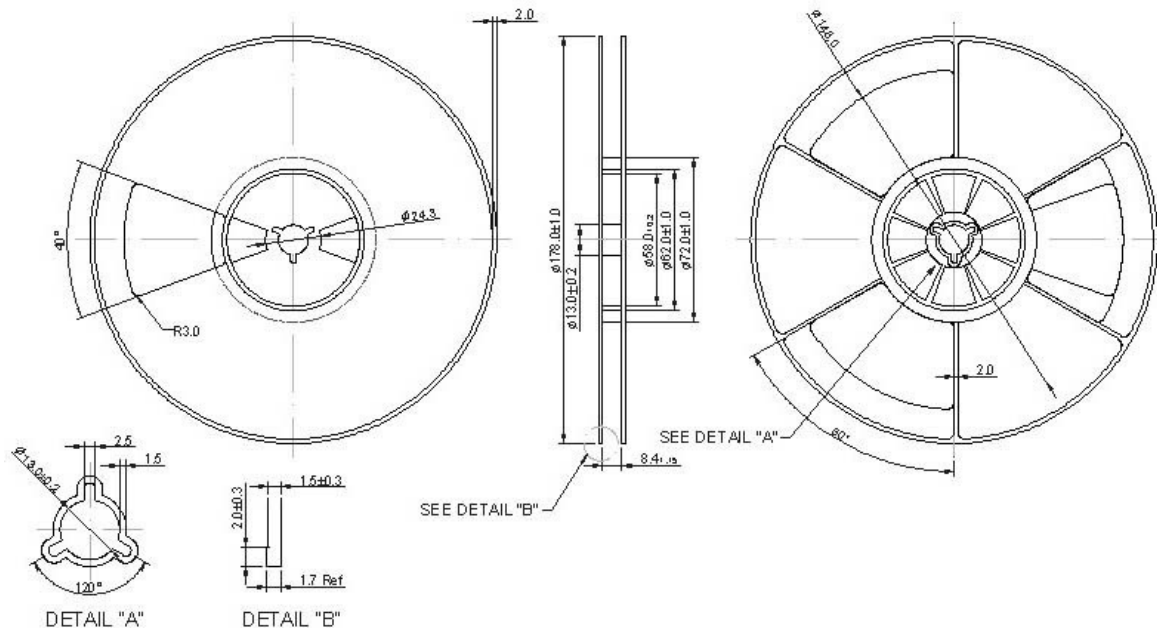


Packing

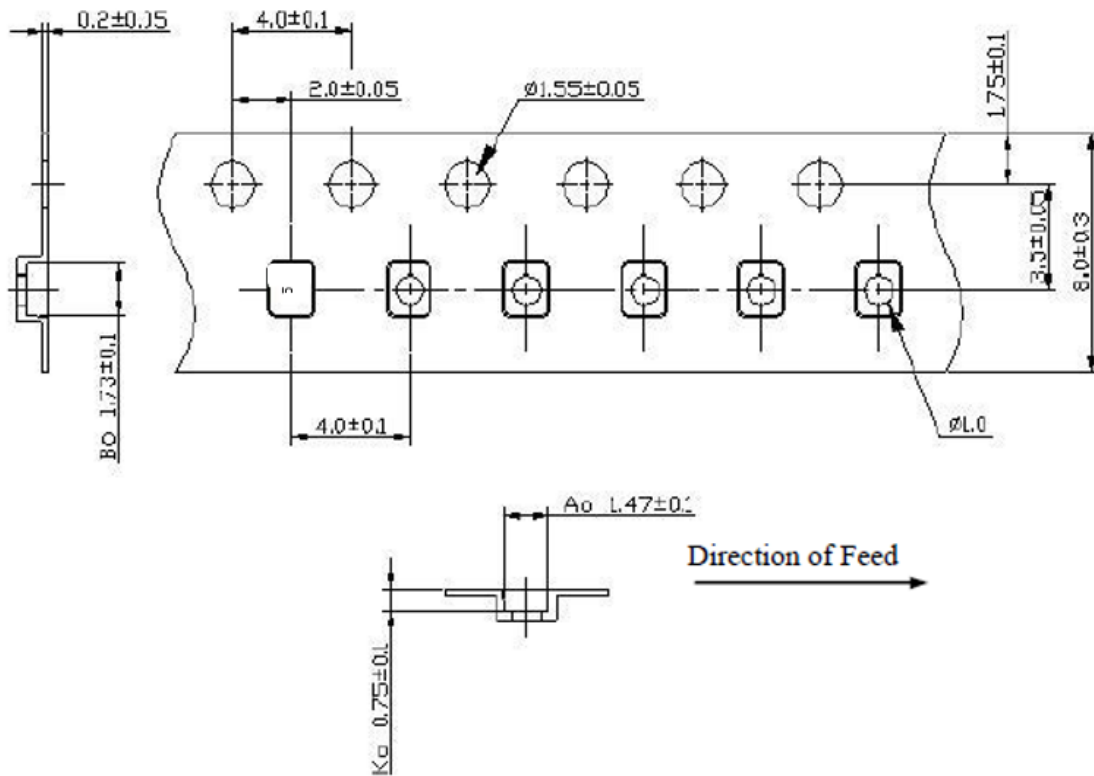
Reel Dimension

Reel Count:
7" = 3000

Tape and Reel Standard per ANSI/EIA-481



Tape Dimensions:



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 2 °C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 times.

