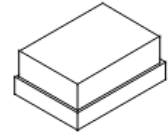


SF2706K

**2185 MHz
SAW Filter**



SM1411-5

MAXIMUM RATING:

- Input Power Level: 10 dBm
Input Power Level: 18 dB_m(out of band rejection)
- DC Voltage : 3V
- Operating Temperature: -30°C to +105°C
- Storage Temperature: -40°C to +105°C
- HBM level = 500V/MM level = 200V/CDM level = 1000V

ELECTRICAL CHARACTERISTICS:

Terminating source impedance : $Z_s = 50 \Omega$

Terminating load impedance : $Z_L = 50 \Omega$

Item	Unit	Min.	Type.	Max.	Note
Center Frequency F_c	MHz	-	2185	-	-
Max. Insertion Loss (2170~2200 MHz)	IL dB	-	2	3.5	-
Amplitude ripple (2170~2200 MHz)	dB	-	0.5	2.3	-
VSWR (2170~2200 MHz)		-	1.6	2.0	-
Attenuation (Reference level from 0 dB)					
0.1~1980 MHz	dB	29	30.5	-	-
1980~2010 MHz	dB	32	39.4	-	-
2010~2110 MHz	dB	20	32	-	-
2260~2300 MHz	dB	20	27	-	-
2300~3500 MHz	dB	29	34	-	-
3500~6000 MHz	dB	20	23	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

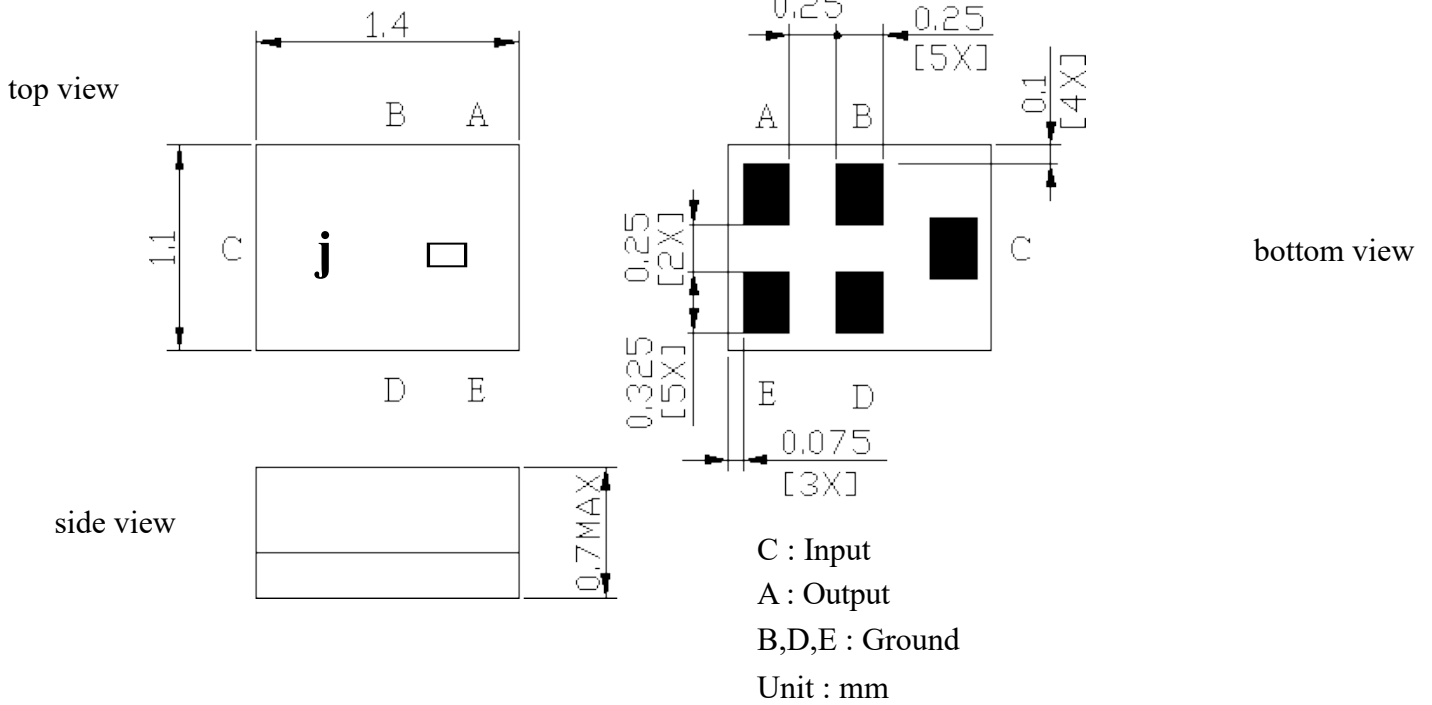


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

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

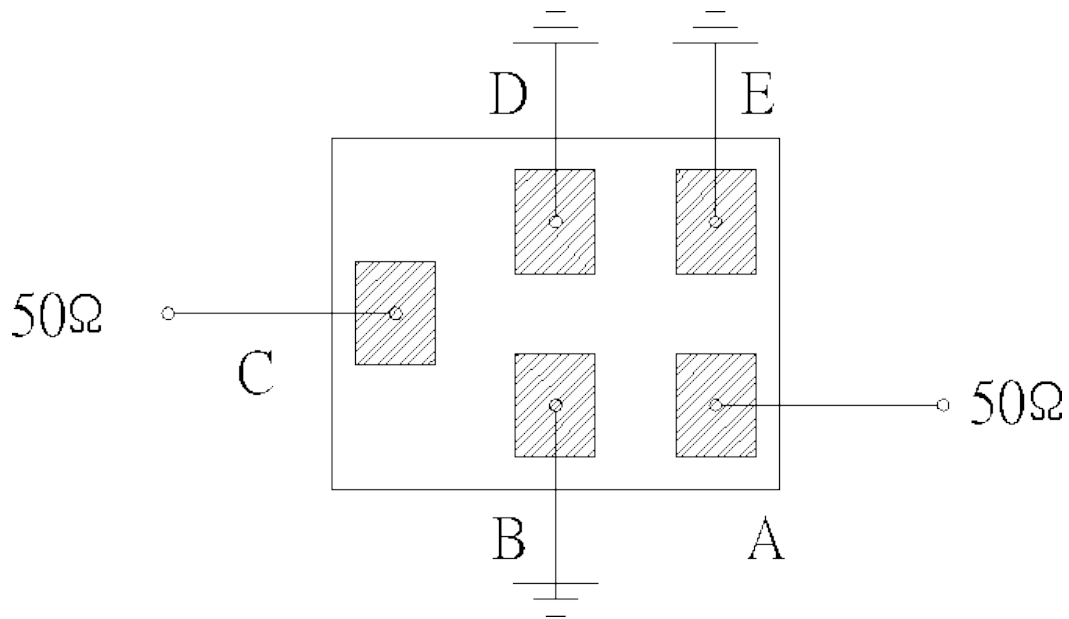
OUTLINE DRAWING:



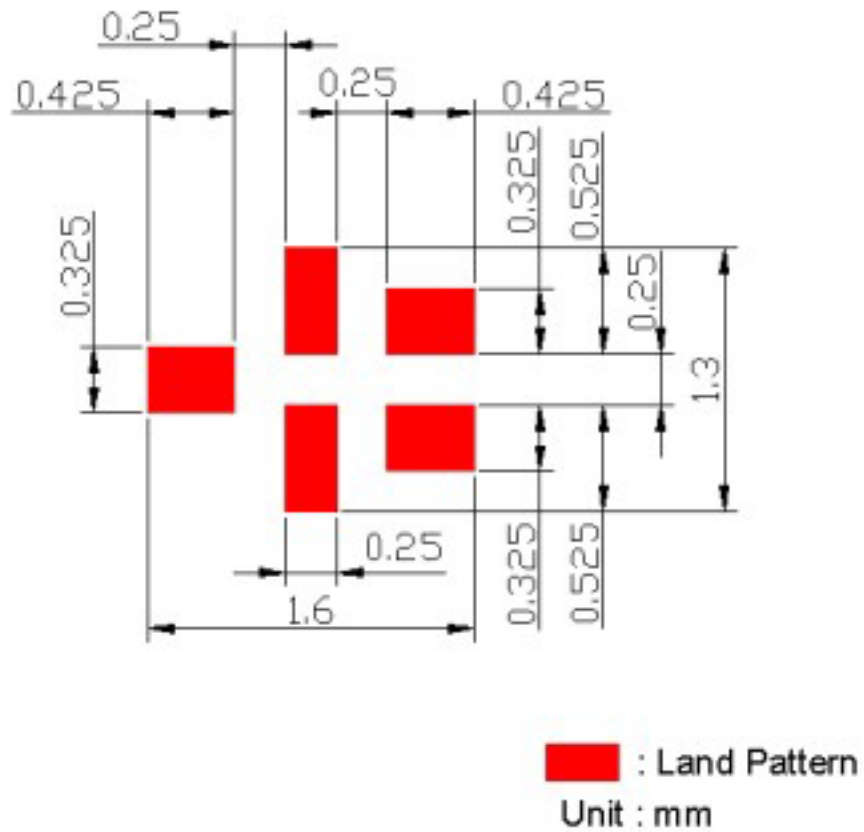
□ : Year/Month Code (Follow the table)

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>

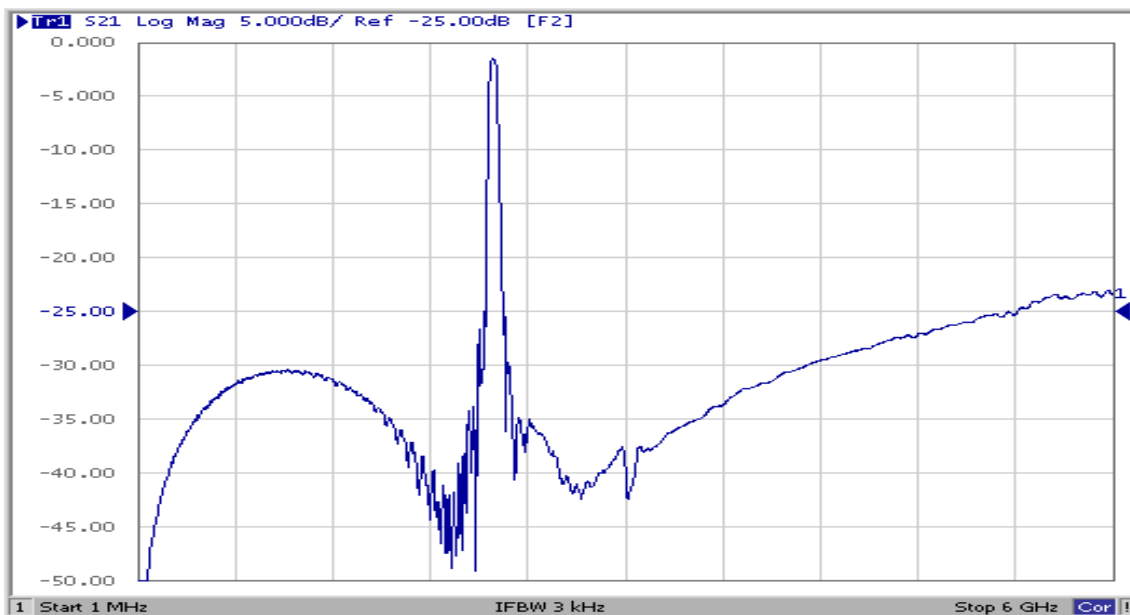
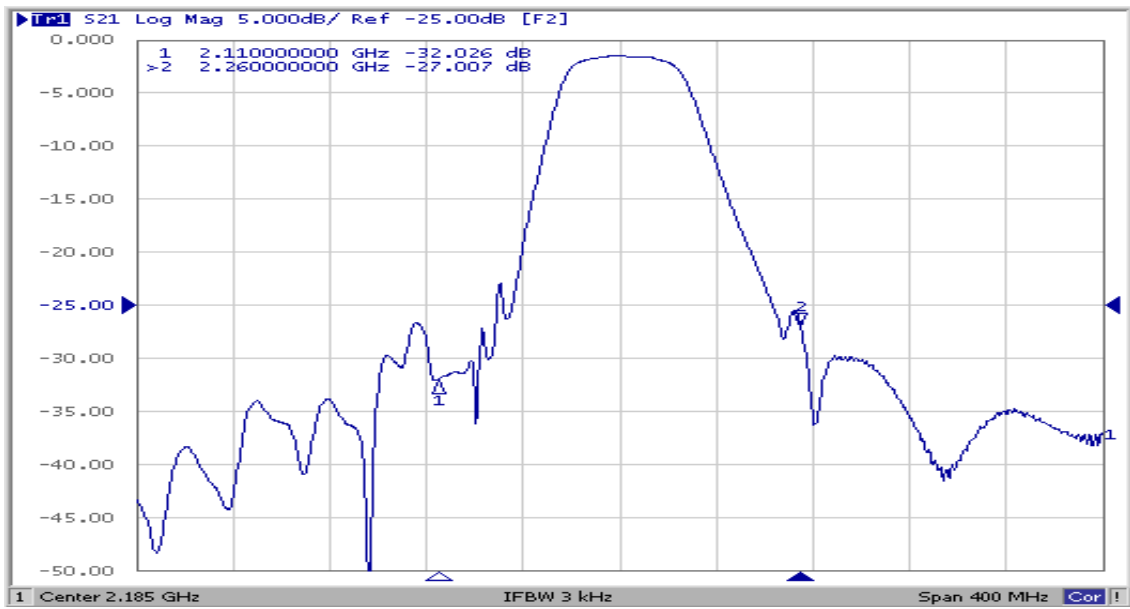
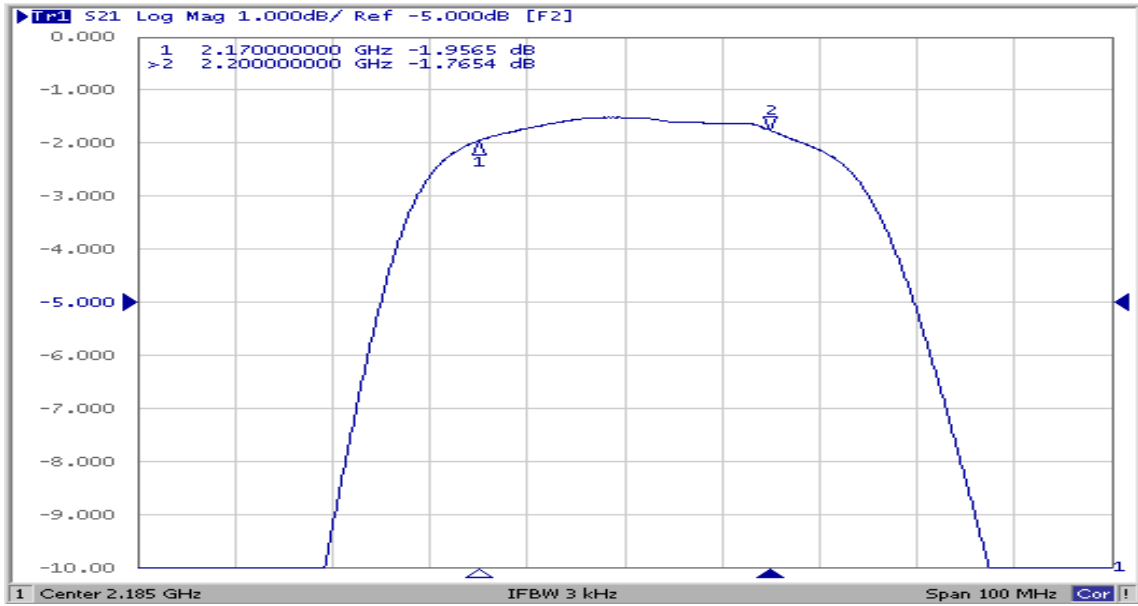
MEASUREMENT CIRCUIT:



PCB Footprint:

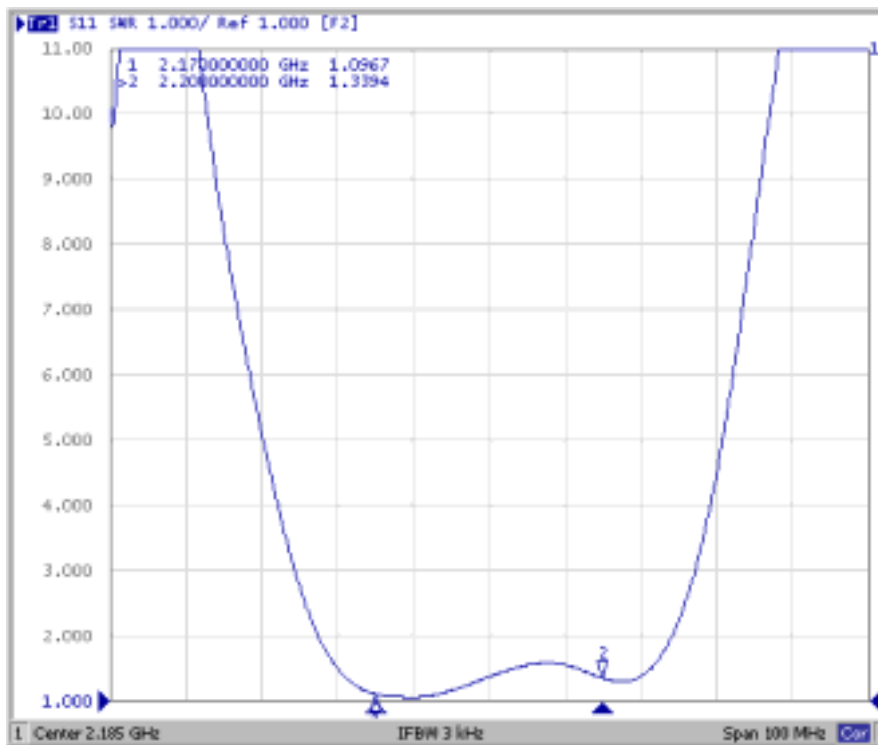


Frequency Characteristics :

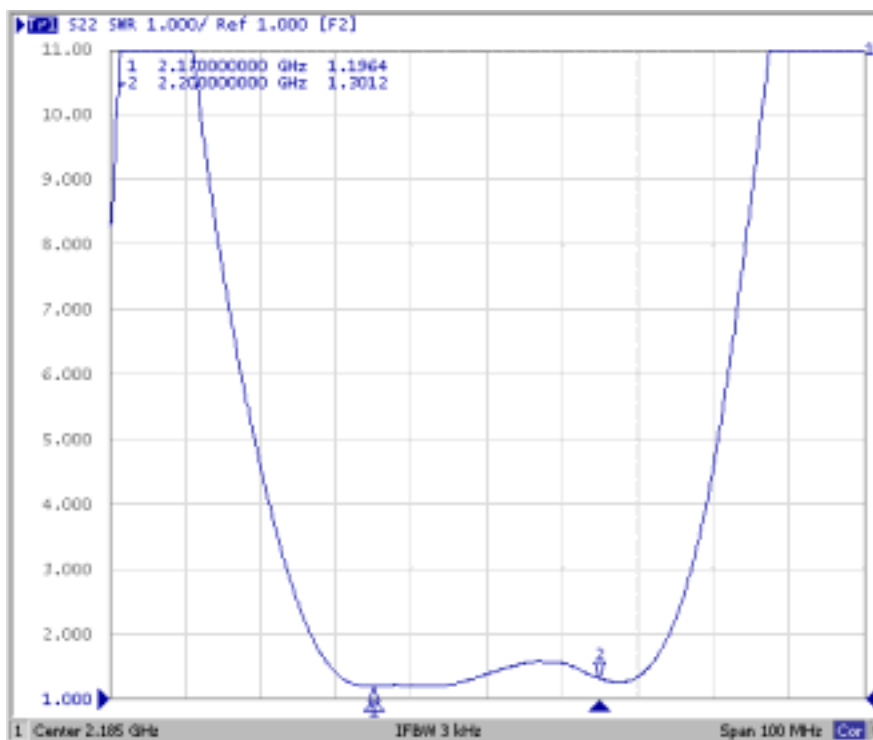


Reflection Functions :

S11



S22

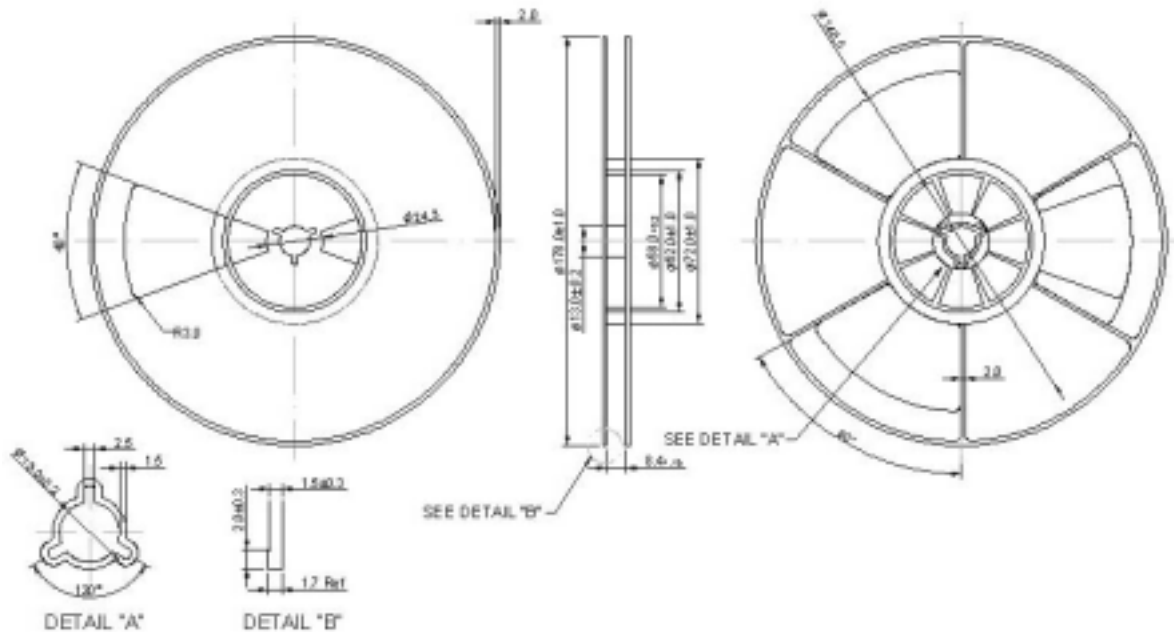


PACKING:

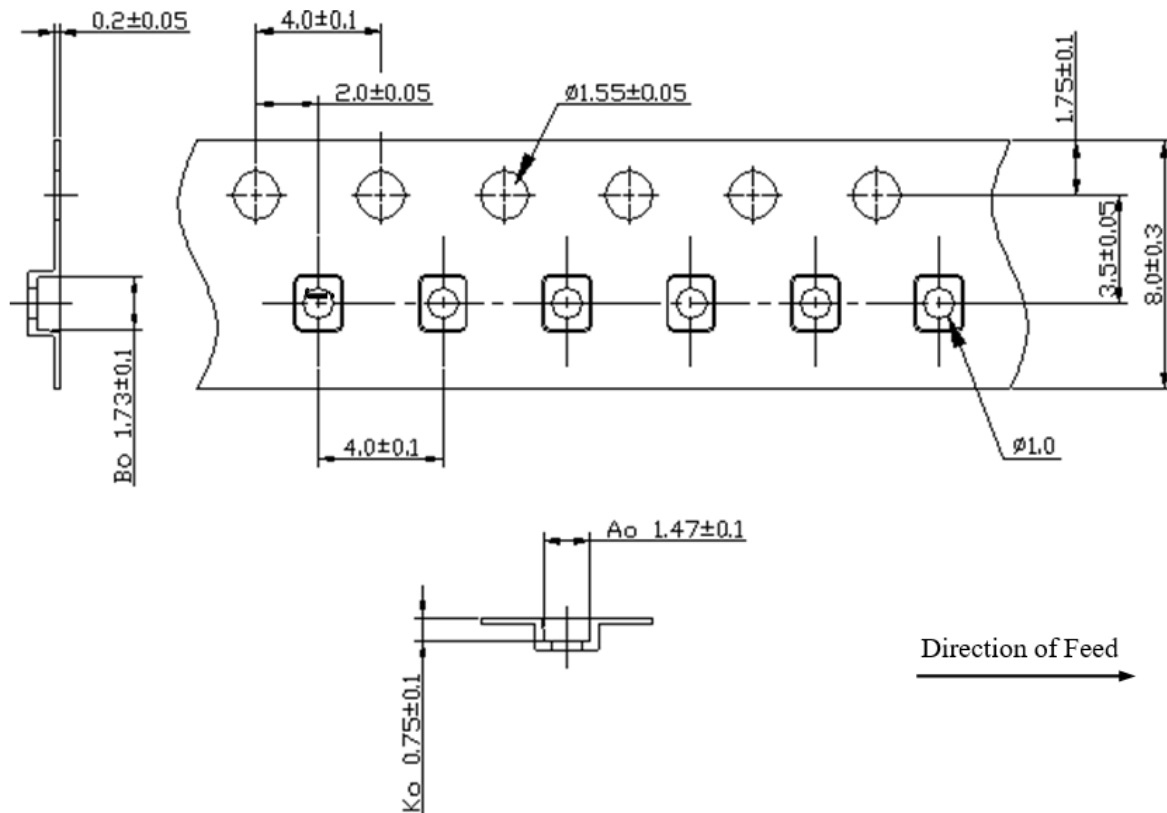
1. REEL DIMENSION

Reel Count:

7" = 3000



2. TAPE DIMENSION



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 245~260°C peak (min. 10sec).
4. Time : 2 times.

