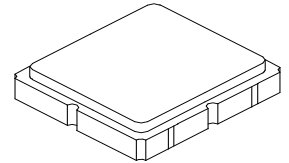


**SF2674E**

**815.5 MHz  
SAW Filter**



SM3030-6

**MAXIMUM RATING:**

- Input Power Level: 18 dBm
- DC voltage: 3 V
- Operating Temperature: -30°C to +70°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: Level 1(MSL1)

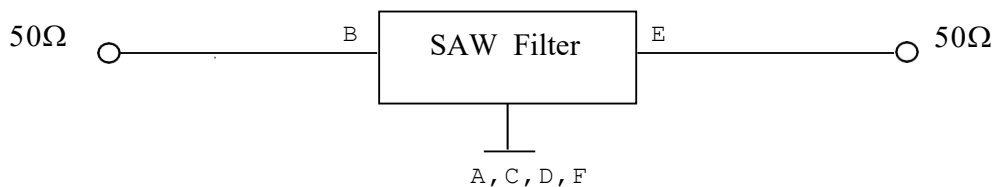
**ELECTRICAL CHARACTERISTICS:**

Item		Min.	Typ.	Max.
<b>Center frequency</b>	<b>F<sub>c</sub></b> (MHz)	-	815.5	-
<b>Insertion loss</b> (806~825 MHz)	<b>IL</b> (dB)	-	2.6	3.5
<b>Group delay ripple</b> (806~825 MHz)	(nS)	-	18	50
<b>Attenuation</b> (Reference level from 0 dB)				
851 ~ 866	MHz (dB)	40	46	-
935 ~ 940	MHz (dB)	35	68	-
960.65 ~ 979.65	MHz (dB)	35	65	-
1115.3 ~ 1134.3	MHz (dB)	37	64	-
1269.95 ~ 1288.95	MHz (dB)	40	62	-
1612 ~ 1650	MHz (dB)	35	68	-
1650 ~ 2600	MHz (dB)	25	38	-
<b>Input/Output VSWR</b> (806~825 MHz)		-	1.7	2.0
<b>Source impedance</b>	<b>Z<sub>s</sub></b> (Ω)	-	50	-
<b>Load impedance</b>	<b>Z<sub>L</sub></b> (Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

**MEASUREMENT CIRCUIT:**

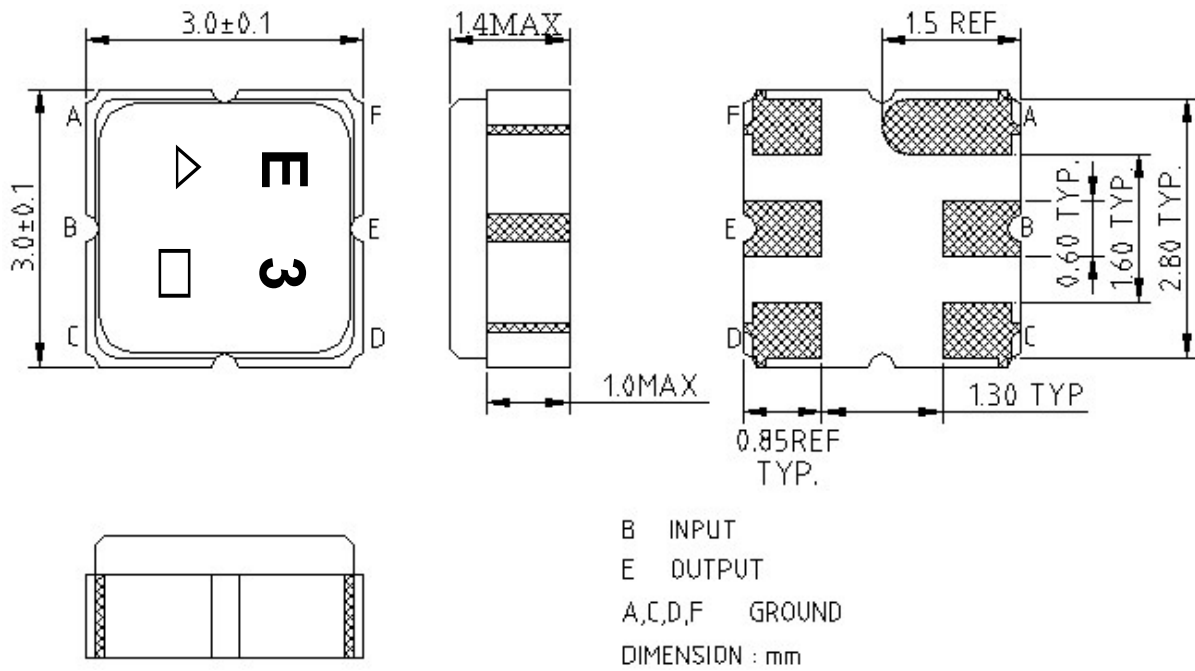
HP Network analyzer



**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:**



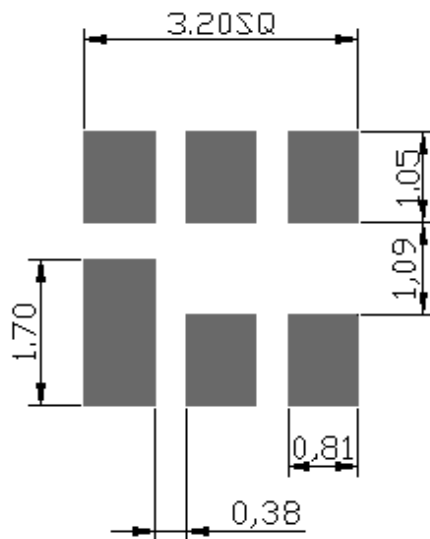
△ : Year Code Year Code (2020->0, 2021->1, ..., 2029->9)

□ : Date Code (Follow the table from planner each year)Date

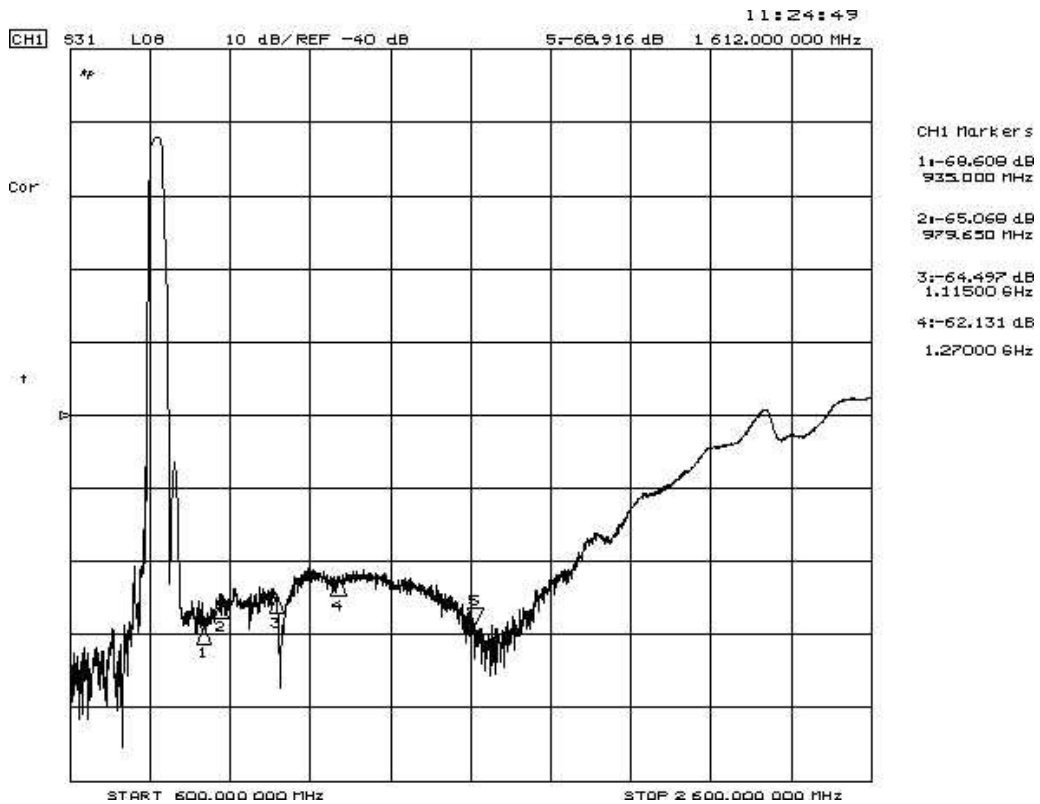
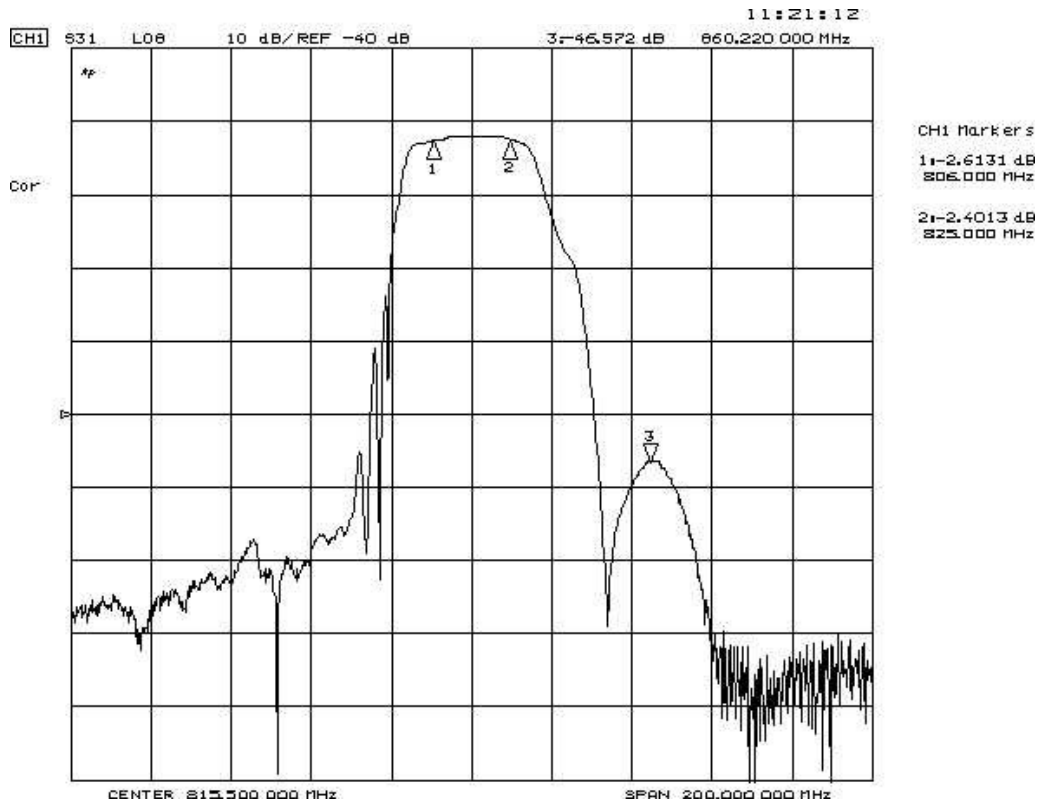
Code Table

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

**PCB Footprint:**

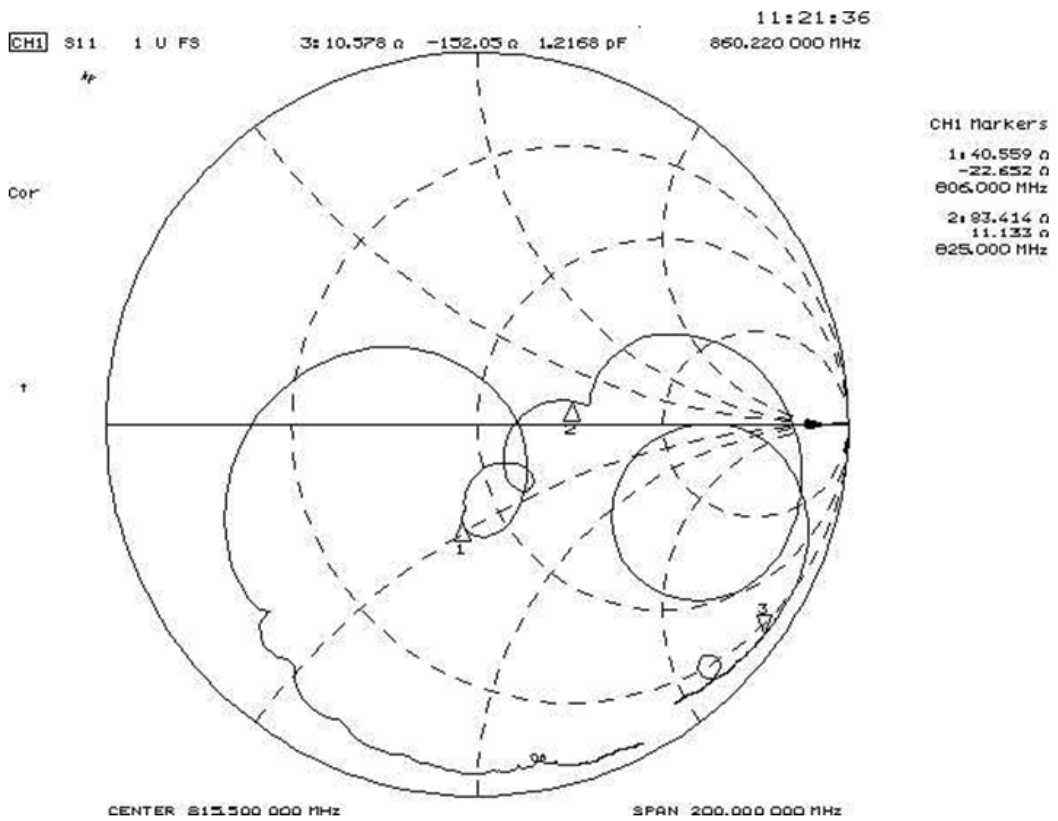
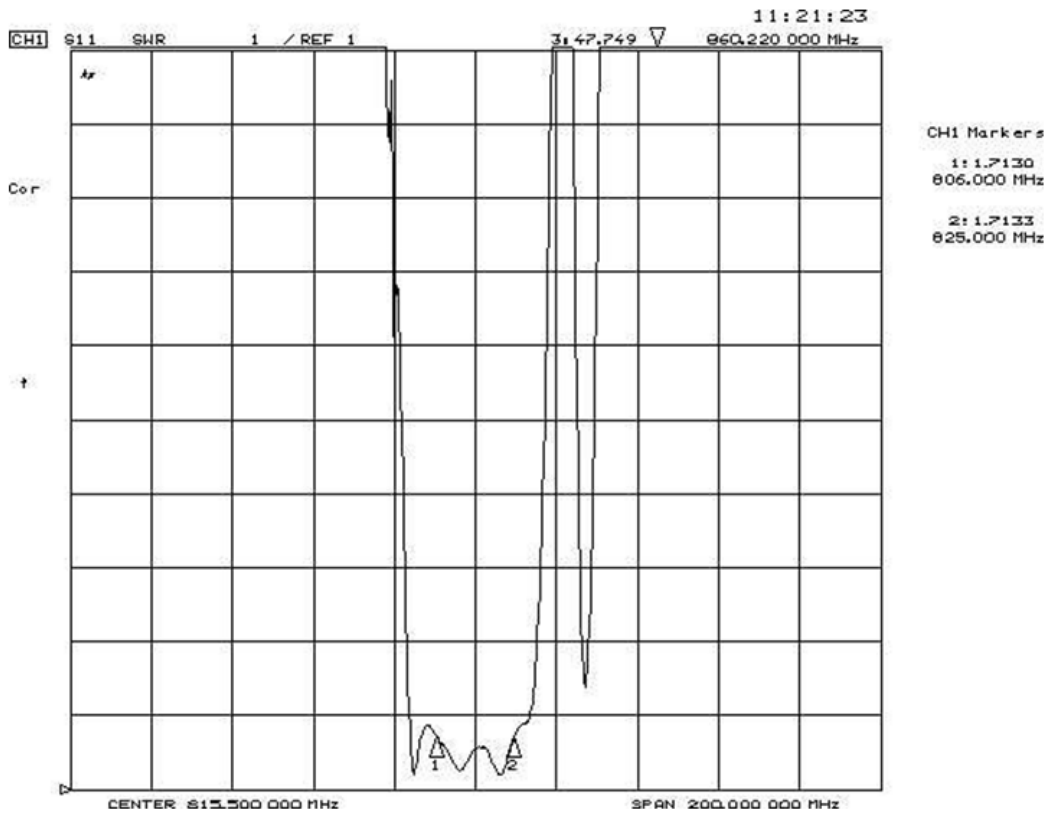


# Frequency Characteristics : Transfer function

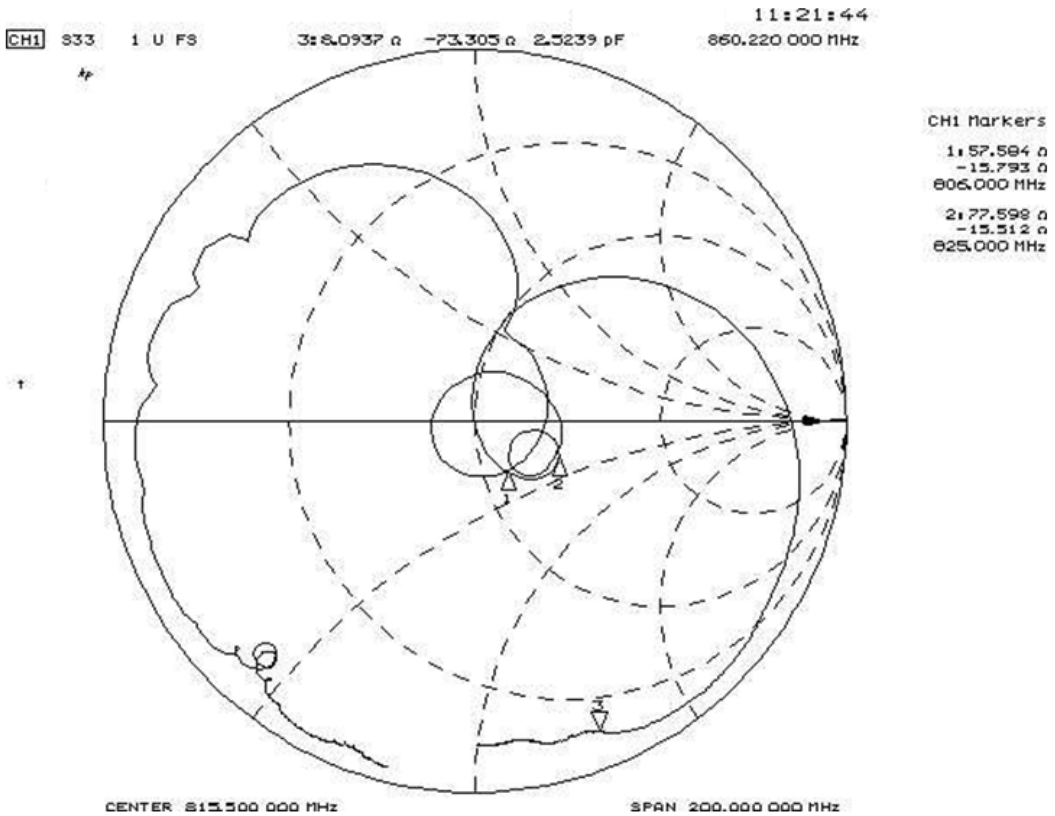
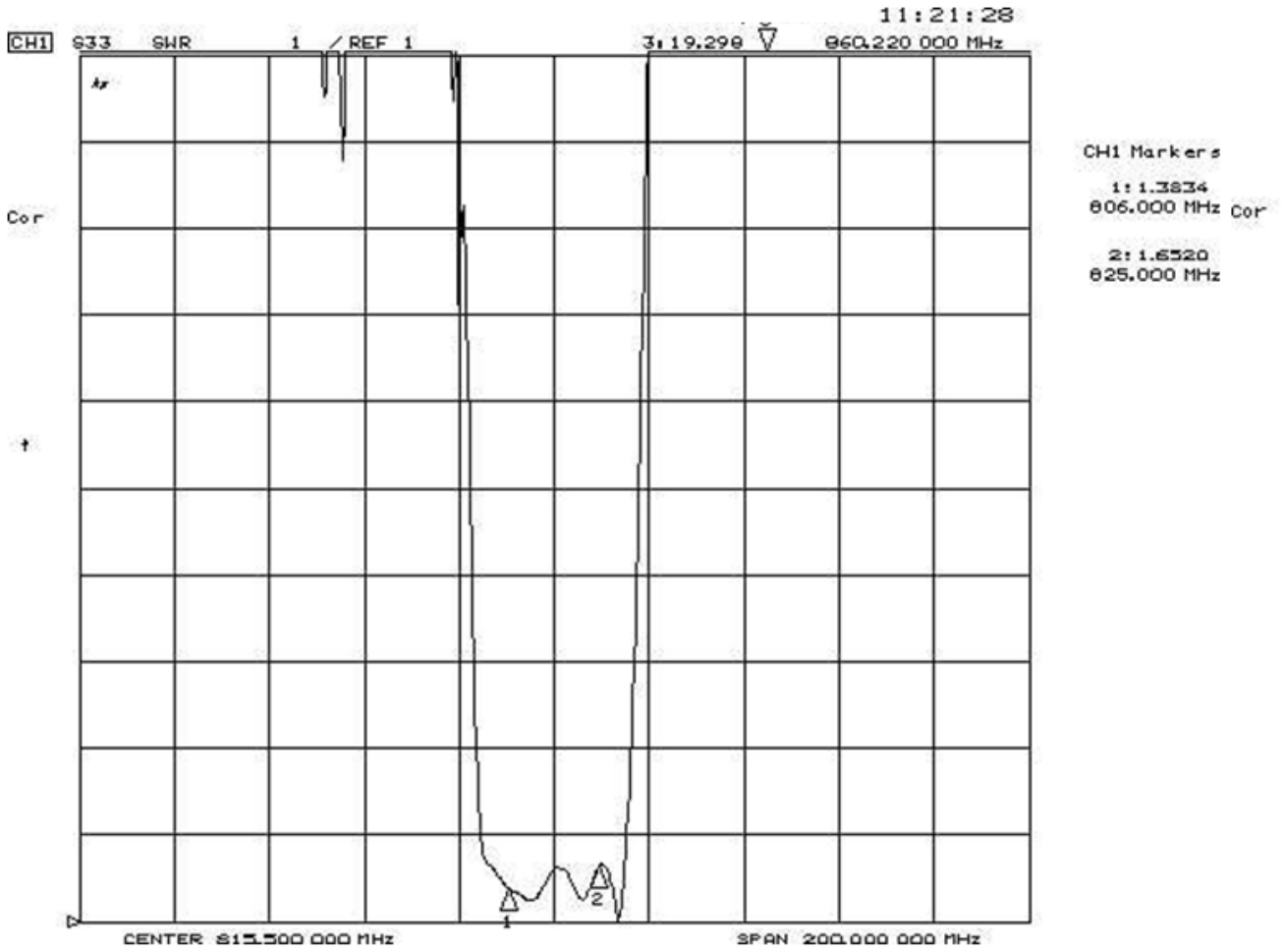


Reflections Functions :

S11



# S22

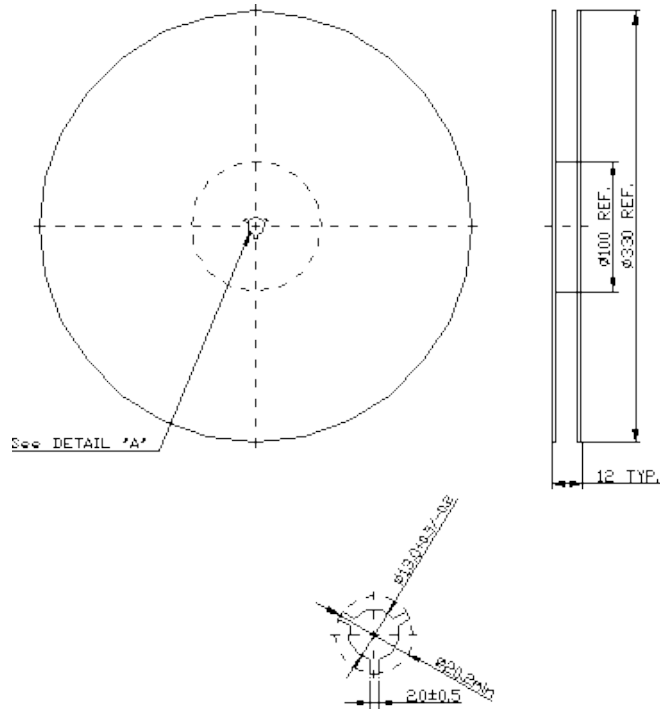


**PACKING:**

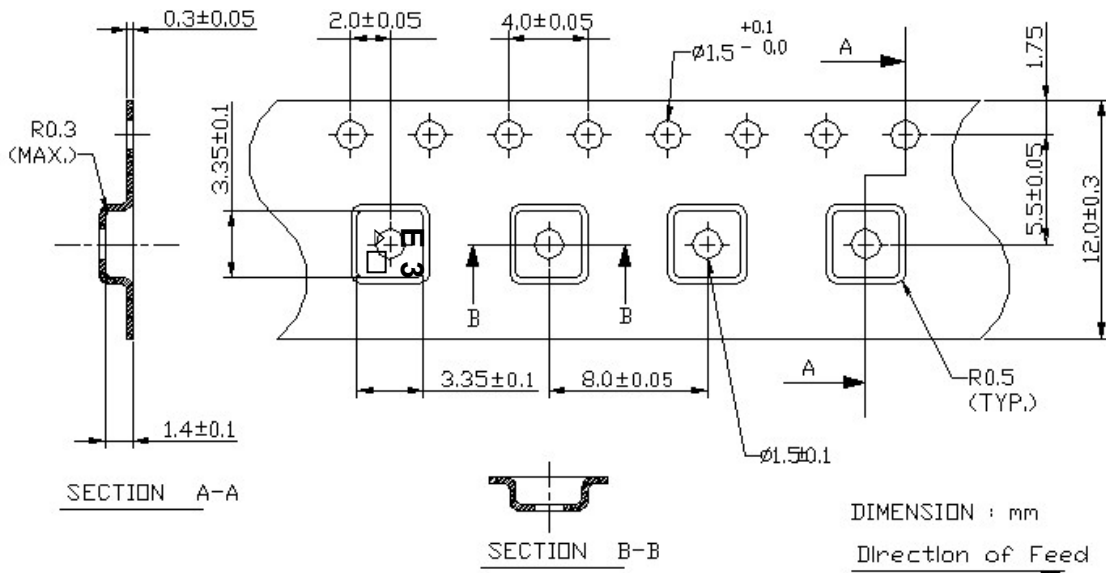
Reel Count:

7" = 500

13" = 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 260°C+0/-5°C peak (20~40sec).
4. Time: 2 times.

