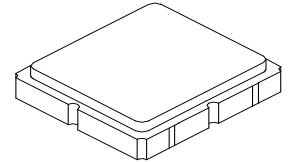


**SF2660E**

**864 MHz  
SAW Filter**



**SM3030-6**

**MAXIMUM RATING:**

- Input Power Level: 10 dBm
- DC Voltage : 6V
- Operating Temperature: -40°C to +85°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: 1

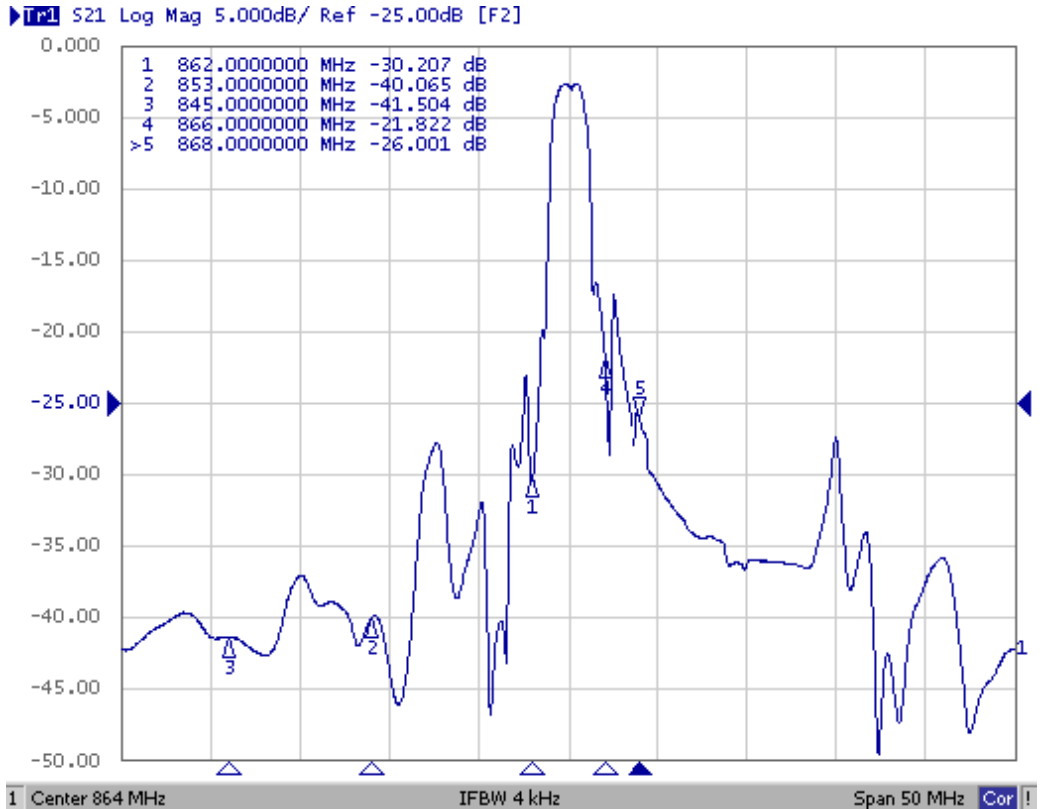
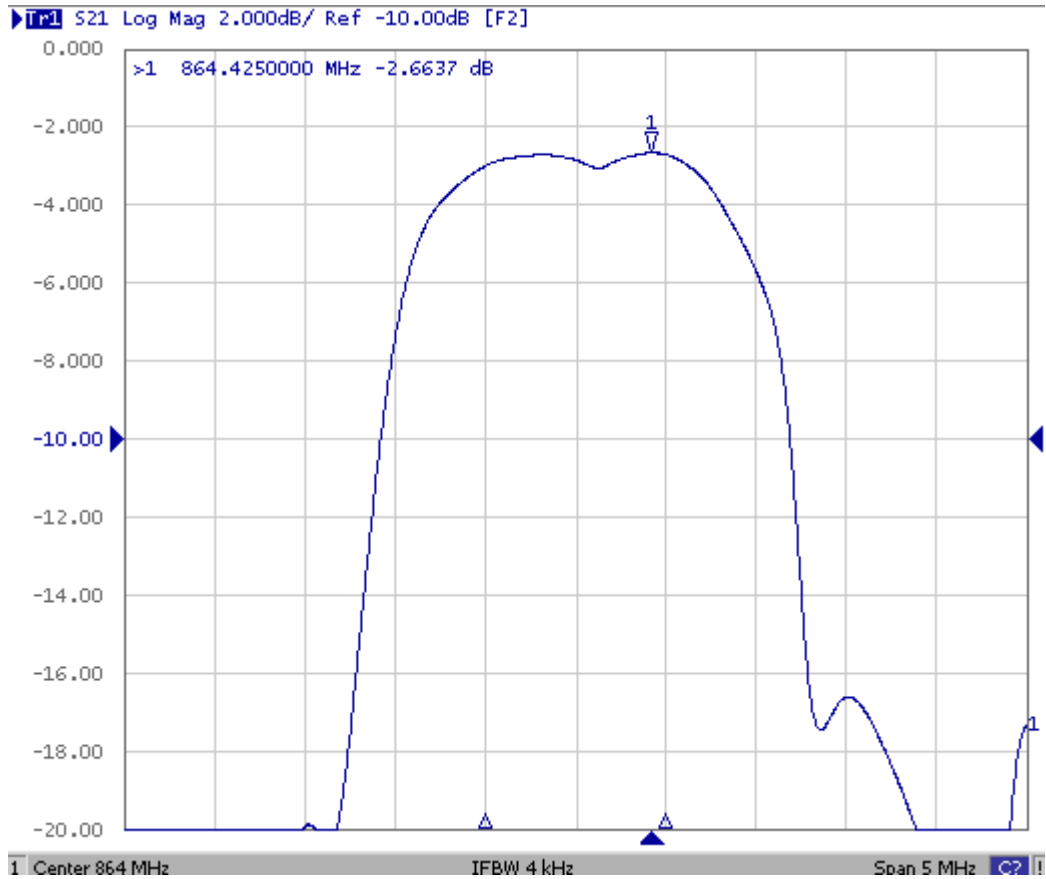
**ELECTRICAL CHARACTERISTICS:**

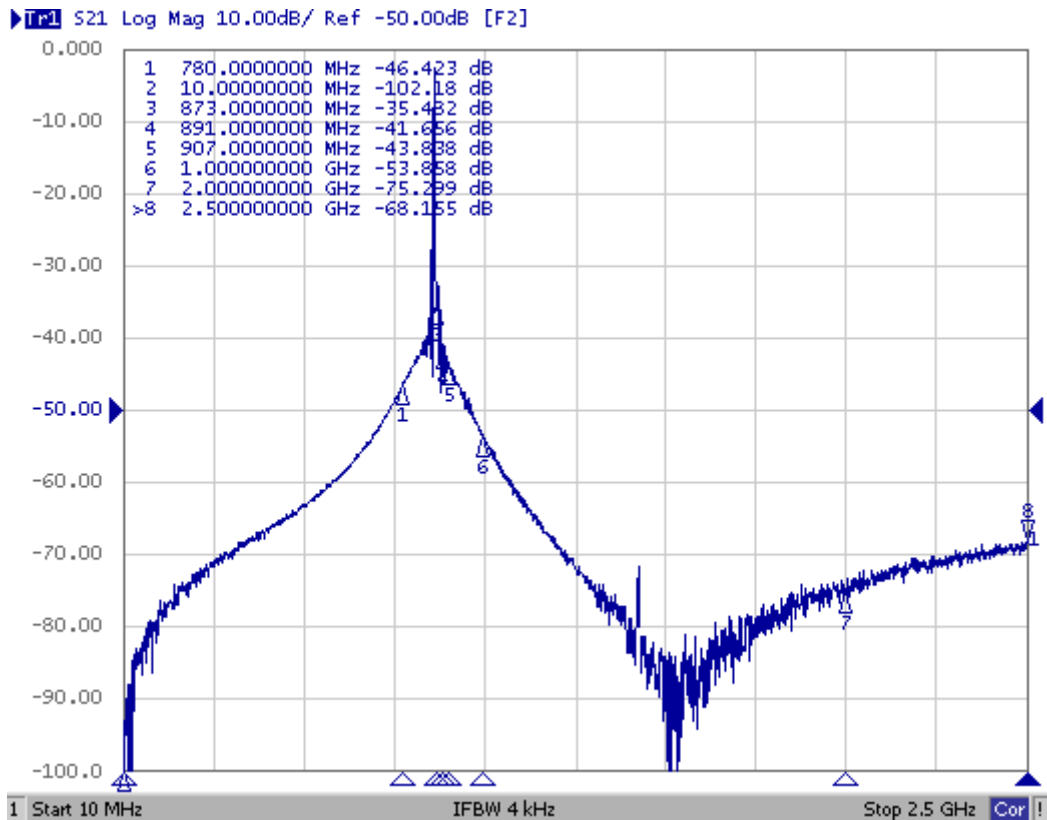
Item	Unit	Min.	Typ.	Max.	
<b>Center frequency</b> <span style="float:right">Fc</span>	MHz	-	864	-	
<b>3dB BW</b>	MHz	-	1.92	-	
<b>Minimum insertion loss</b> <span style="float:right">IL(min)</span>					
Incl. loss of matching elements(Q=93) *1)	dB	-	2.7	3.7	
Exclude loss in matching elements *2)	dB	-	2.4	3.4	
<b>Passband (relative to IL<sub>min</sub>) *1)</b> 863.50 ~ 864.50MHz	dB	-	0.4	3.0	
<b>Attenuation (relative to IL<sub>min</sub>) *1)</b>					
10.000 ~ 780.00	MHz	dB	37	44	-
780.00 ~ 845.00	MHz	dB	30	37	-
845.00 ~ 853.00	MHz	dB	28	35	-
853.00 ~ 862.00	MHz	dB	16	21	-
866.00 ~ 868.00	MHz	dB	10	15	-
868.00 ~ 873.00	MHz	dB	16	23	-
873.00 ~ 891.00	MHz	dB	18	25	-
891.00 ~ 907.00	MHz	dB	32	39	-
907.00 ~ 1000.0	MHz	dB	34	41	-
1000.0 ~ 2000.0	MHz	dB	44	51	-
2000.0 ~ 2500.0	MHz	dB	55	65	-
Temperature coefficient (TCf)	ppm/c*2	-	0.032	-	
<b>Impedance at Fc, Input</b> <span style="float:right">Zin = Rin//Cin Zs</span>	Ω		98Ω//0.91pF		
<b>Impedance at Fc, Output</b> <span style="float:right">Zout = Rout//Cout ZL</span>	Ω		96Ω//0.95pF		

\*1): The matching circuit is real by actual passive components.  
0805 Coilcraft CS series chip conductor is used for inductor.  
0402 muRata GRM series is used for capacitor.

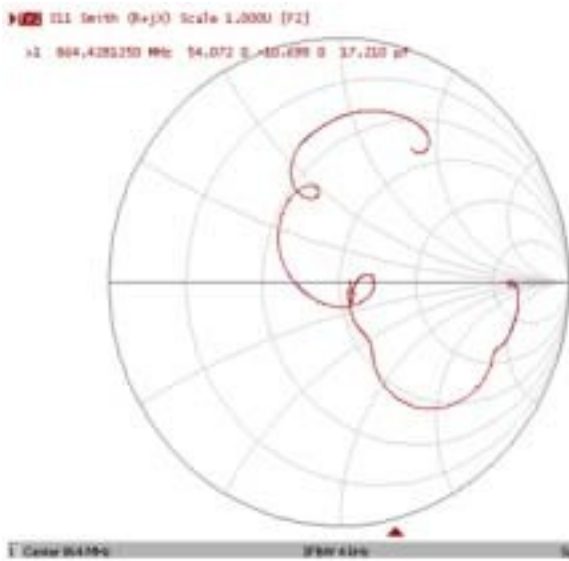
\*2): The matching circuit is ideal by simulation.

## Frequency Characteristics :

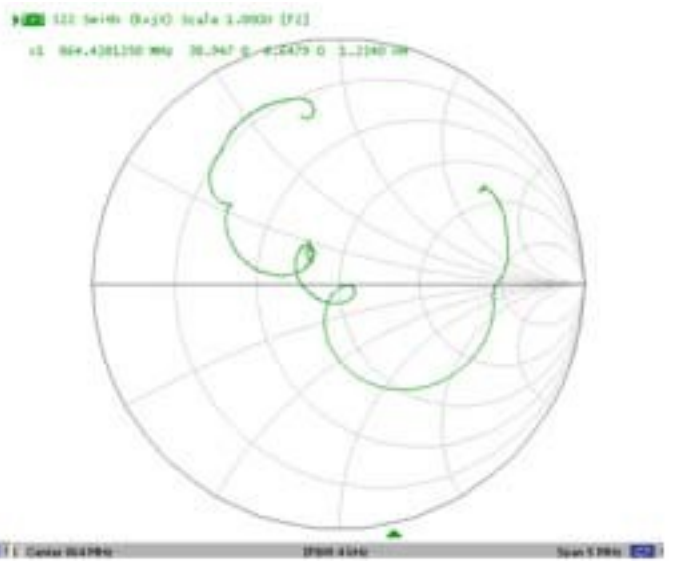




### S11 Smith

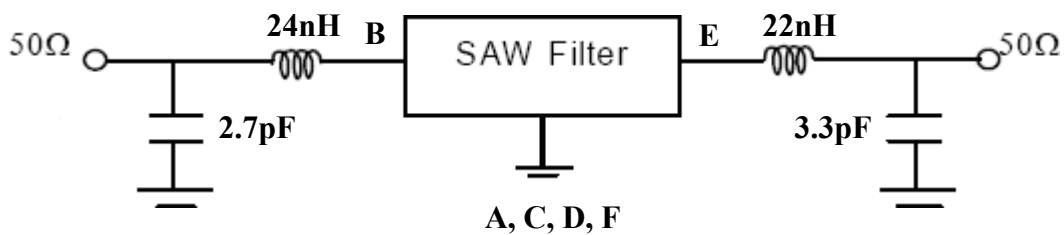


### S22 Smith

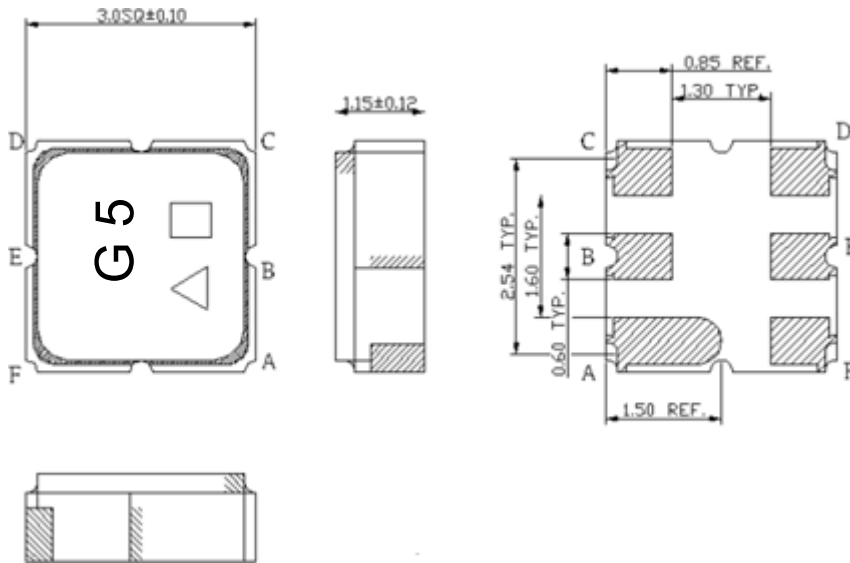


### MEASUREMENT CIRCUIT:

The matching circuit is real by actual passive components.



**OUTLINE DRAWING ):**



- A : Input ground (recommended) or Input
- B : Input (recommended) or Input ground
- D : Output ground (recommended) or Output
- E : Output (recommended) or Output ground
- C \ F: Case Ground

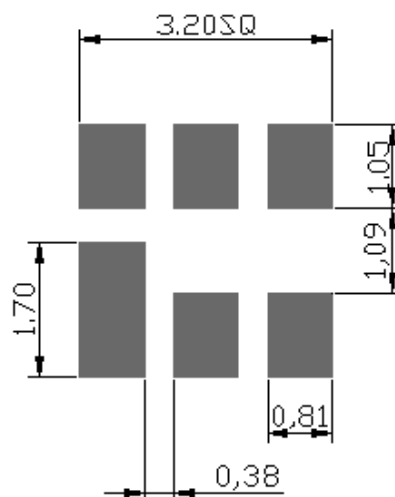
□ : Data Code(Follow the table provided by planer each year )

Unit : mm

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

\*3) The recommended pin configuration offers better suppression of electrical crosstalk.

**F. PCB Footprint:**



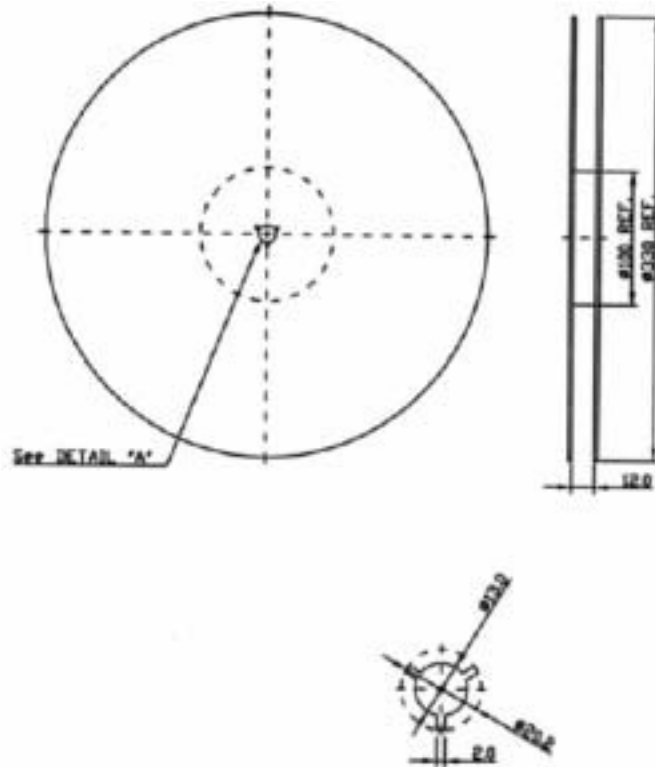
**PACKING:**

1. REEL DIMENSION

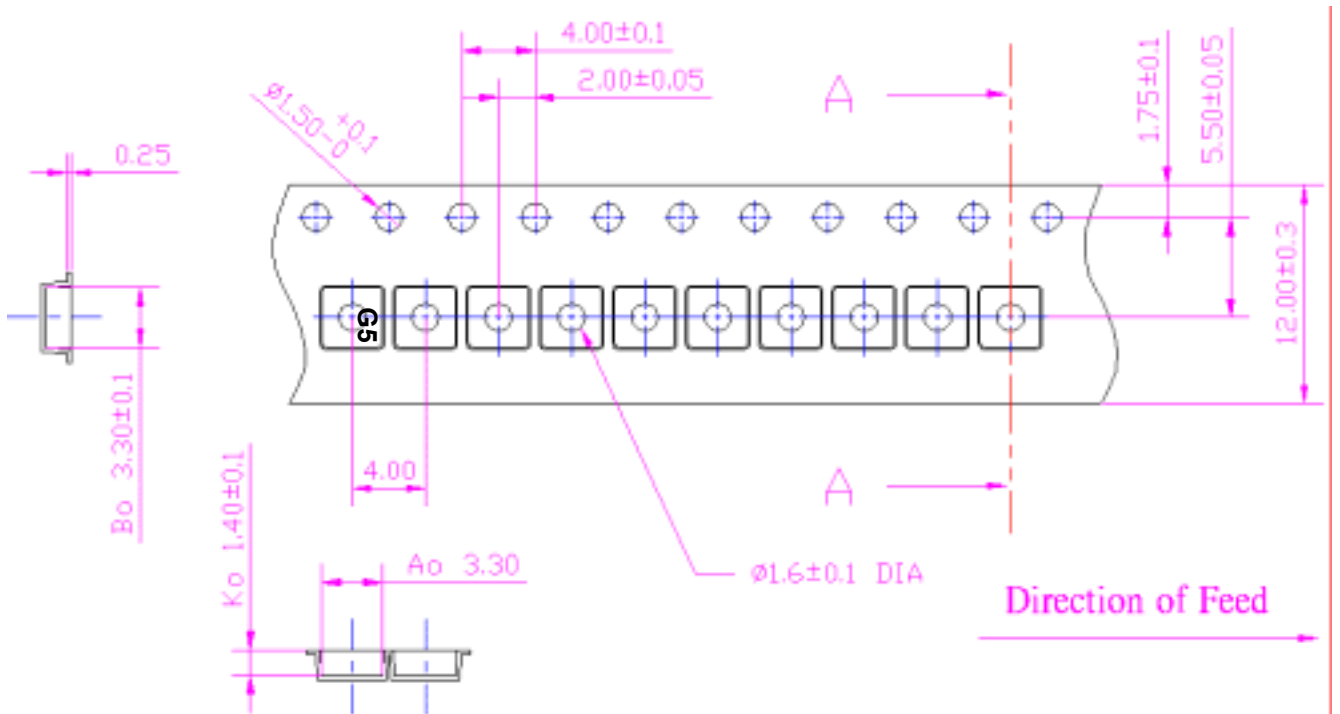
Reel Count:

7" = 500

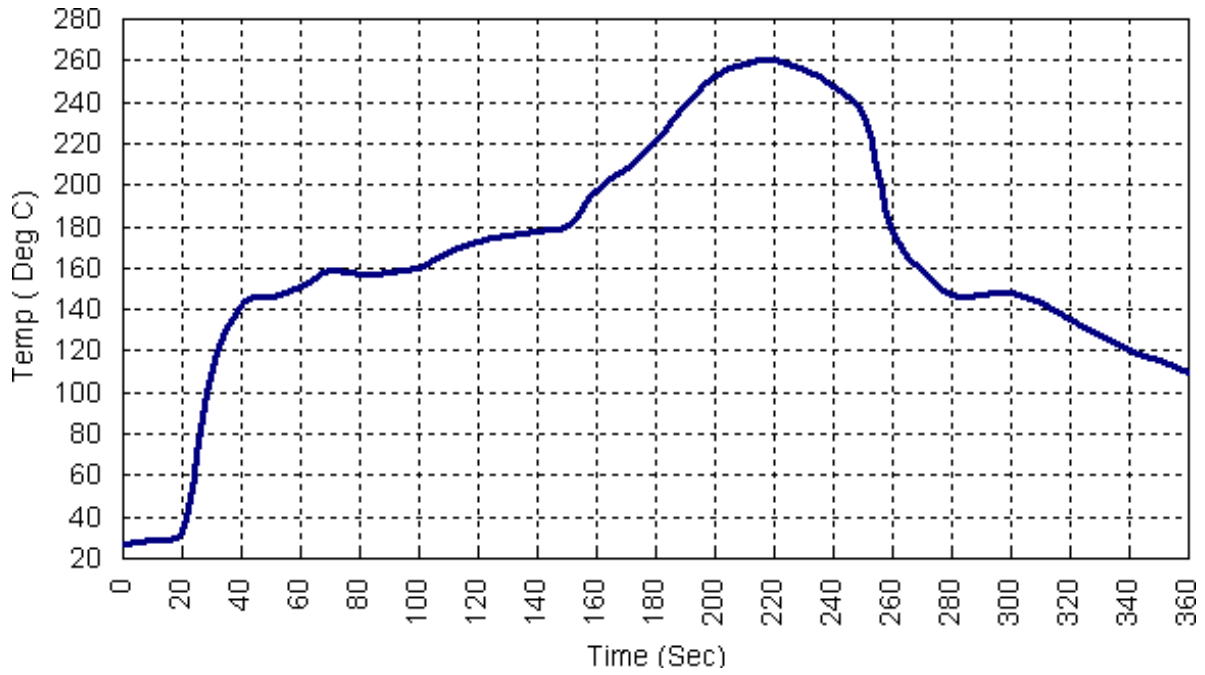
13" = 3000



2. TAPE DIMENSION



## RECOMMENDED REFLOW PROFILE:



**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.