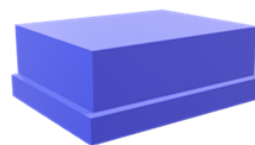


**SF2560LM**

**881.5 MHz  
SAW Filter**



SM1109

## MAXIMUM RATING

- Maximum Input Power: 29 dBm
- DC voltage: 0 V
- Operating Temperature: -30°C to +85°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: Level 1
- ESD 100V(MM) 200V(HBM)

## ELECTRICAL CHARACTERISTICS

Terminating source impedance:  $Z_s = 50 \Omega$  (Unbalanced)

Terminating load impedance:  $Z_L = 100 \Omega$  (Balanced / differential)

Parameters Description		Unit	Min	Typ	Max	Remarks
Center Frequency (Fo)		MHz		881.5		
Insertion Loss	869.0 ~ 894.0MHz	dB(*1)	-	1.5	2.0	
Amplitude ripple	869.0 ~ 894.0MHz	dB <sub>p-p</sub>	-	0.5	1.0	
VSWR	869.0 ~ 894.0MHz			1.6	2.0	
<b>Attenuation:</b>						
<b>DC ~ 824.0 MHz</b>		dB	50	65	-	
<b>824.0 ~ 849.0 MHz</b>		dB	50	56	-	
<b>914.0 ~ 960.0 MHz</b>		dB	25	35	-	
<b>960.0 ~ 2000.0 MHz</b>		dB	40	50	-	
<b>2000.0 ~ 6000.0 MHz</b>		dB	30	43	-	

**Notes :** (1) No Matching Network .



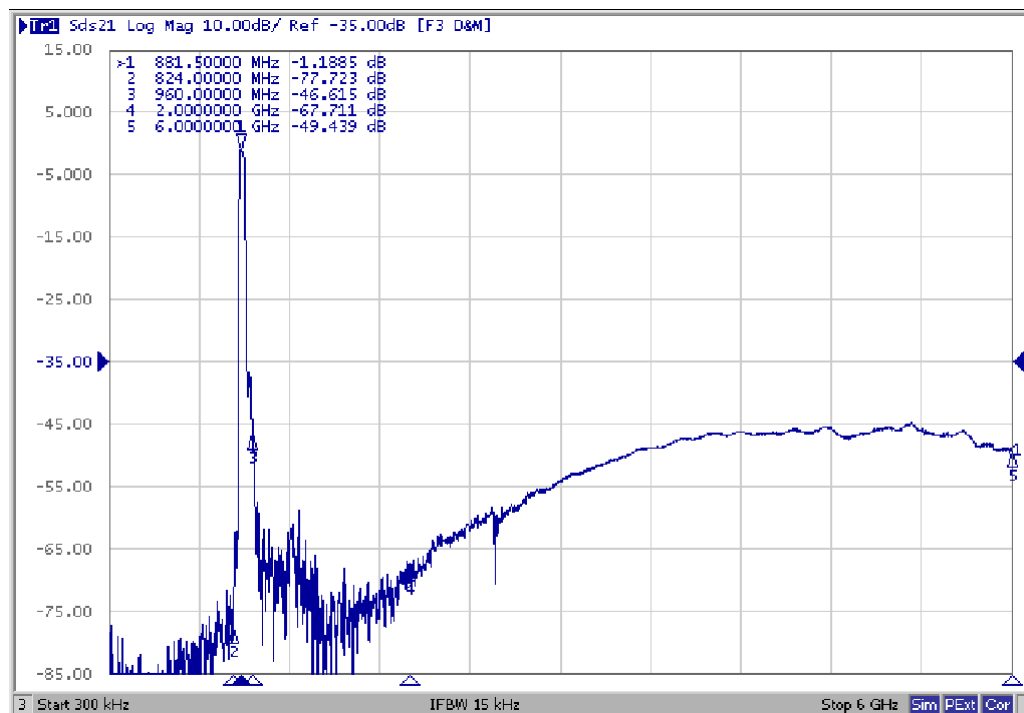
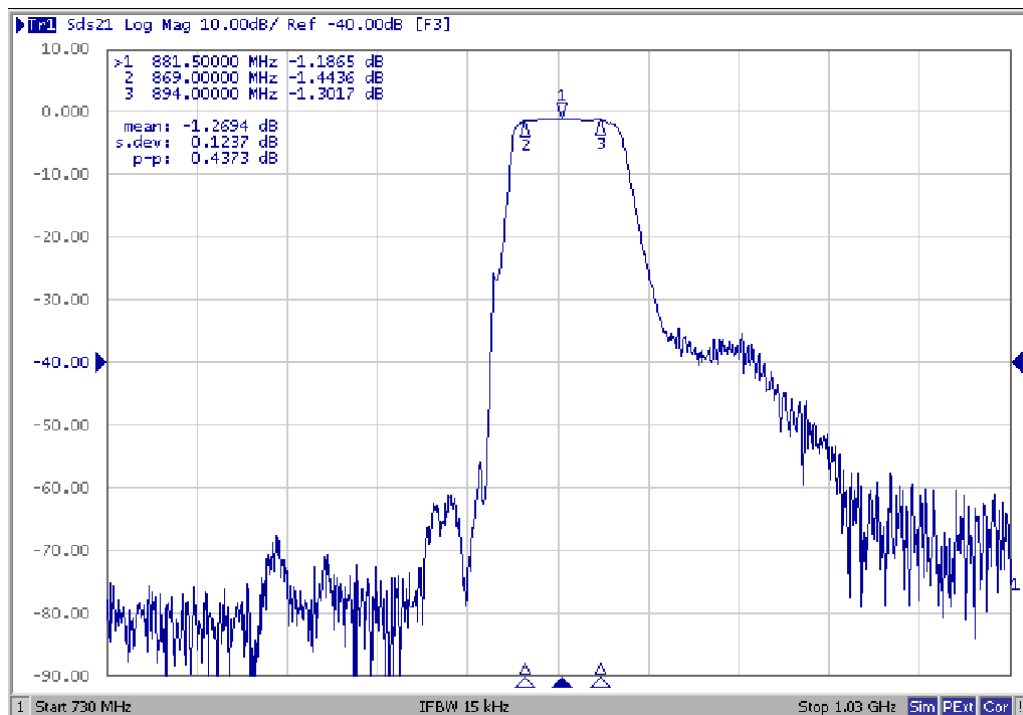
**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.**

### NOTES:

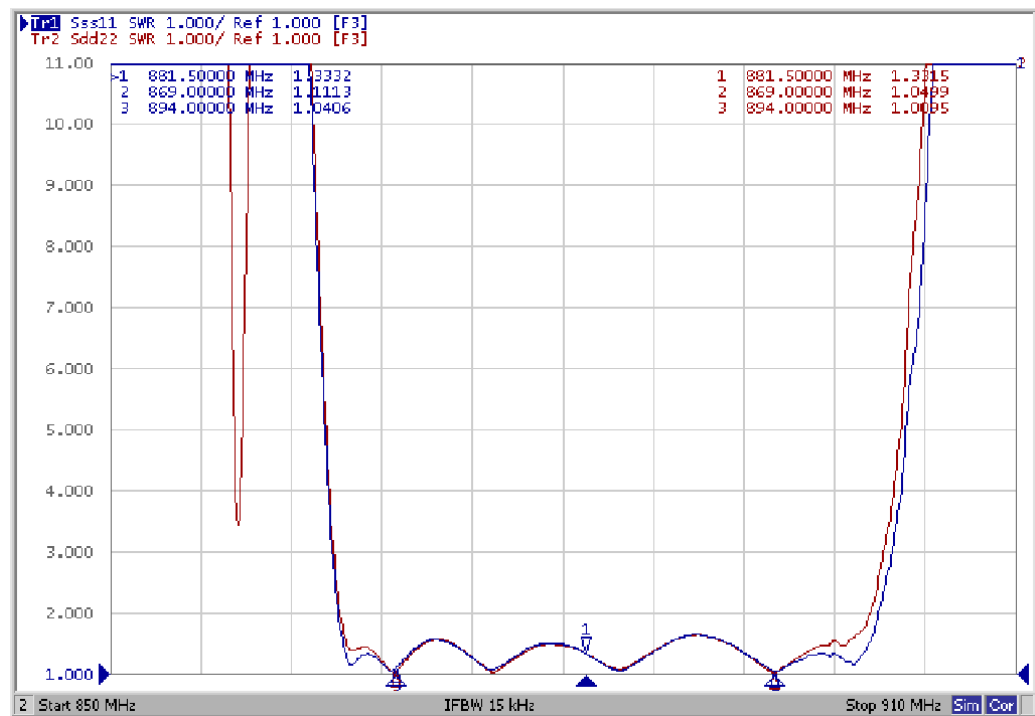
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

## Frequency Characteristics

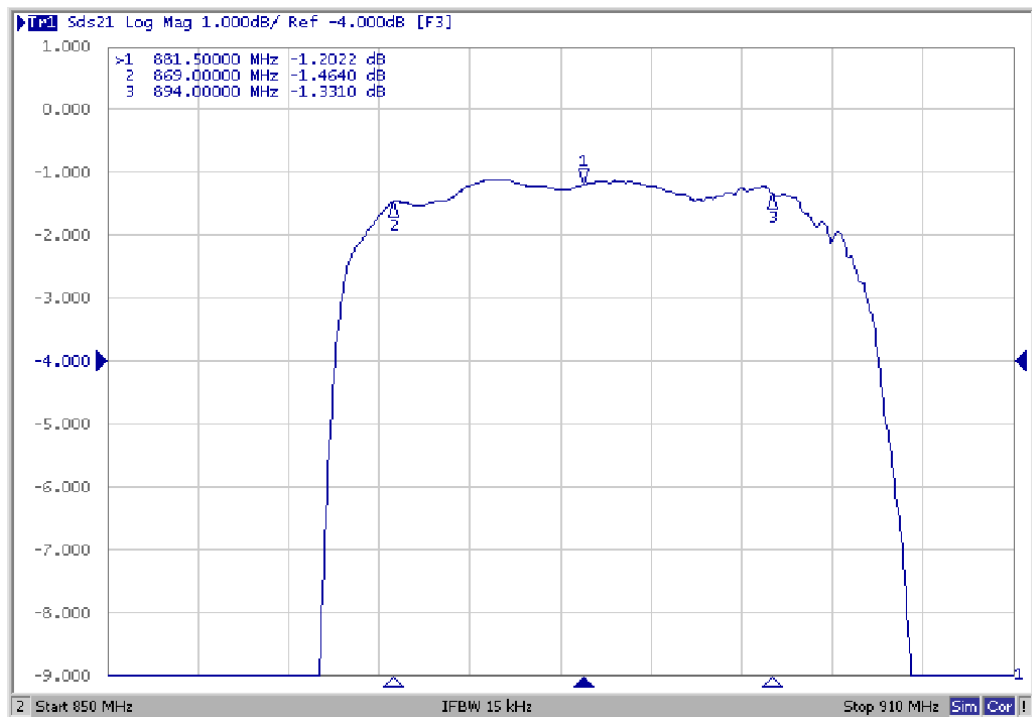
### Frequency Response



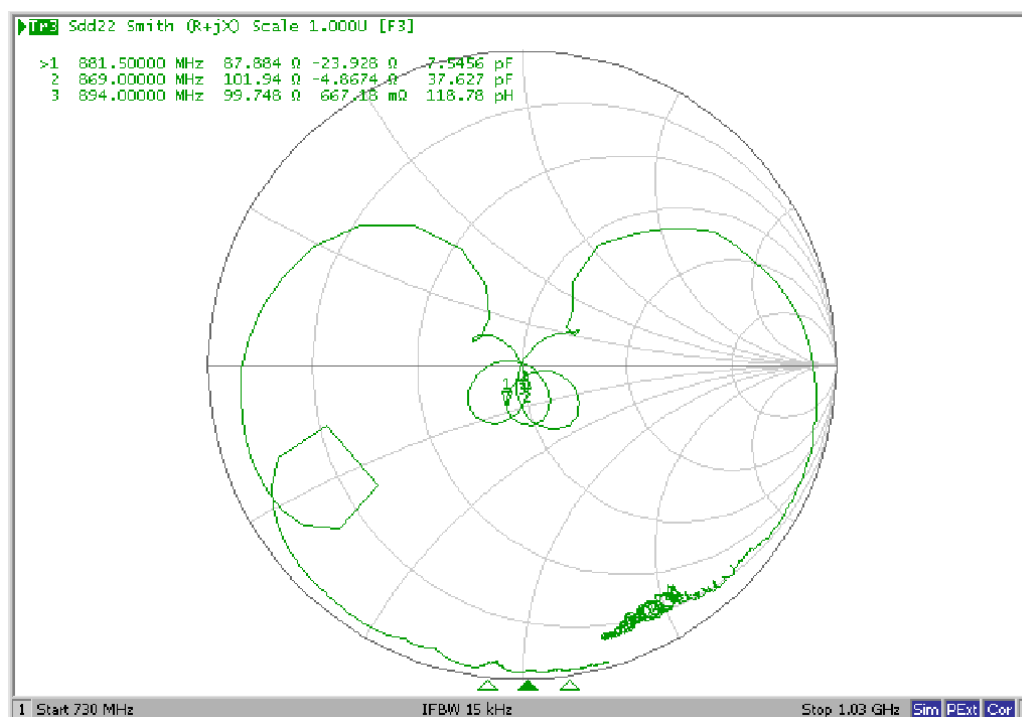
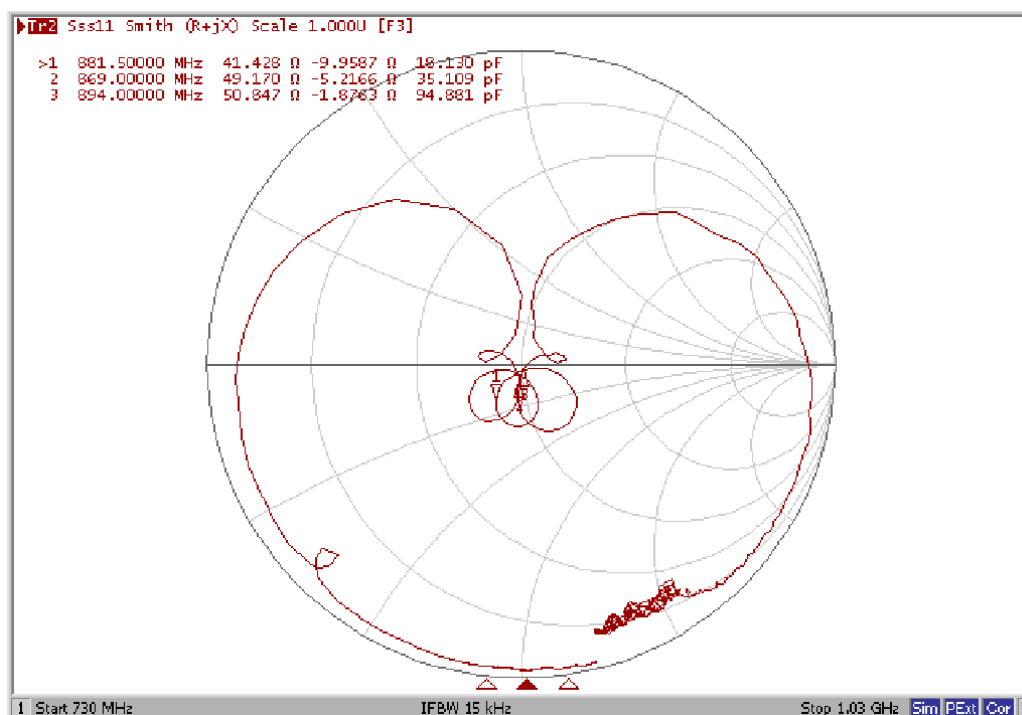
## VSWR



## Ripple



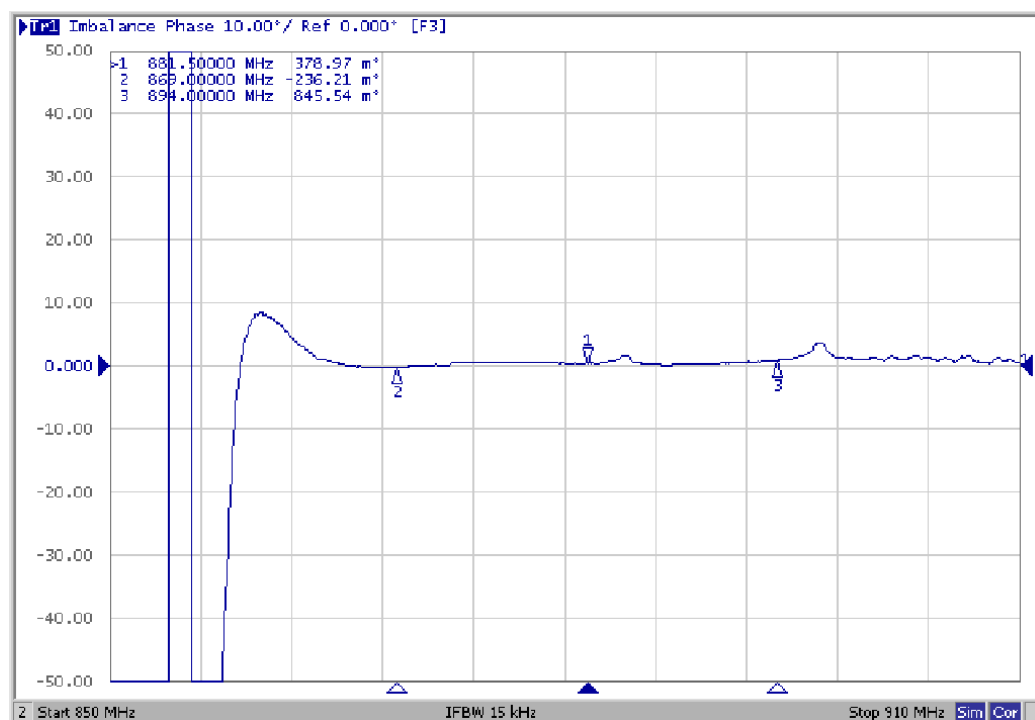
## Smith Chart



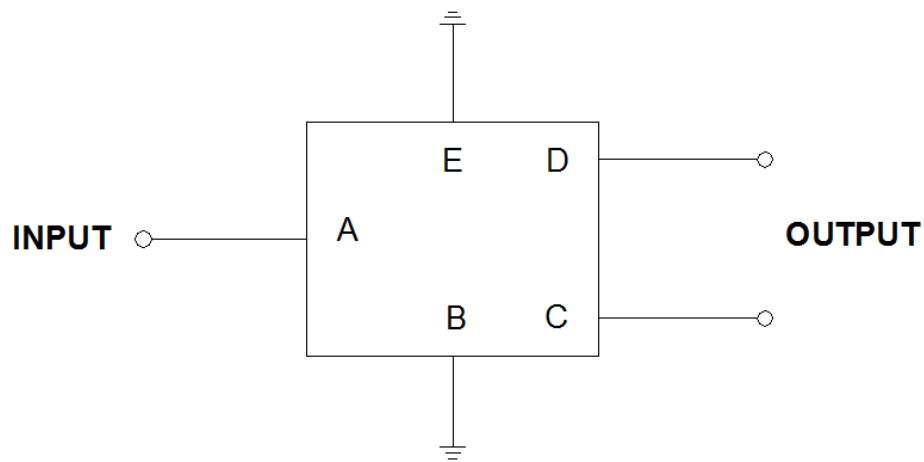
## Amplitude balance



## Phase balance



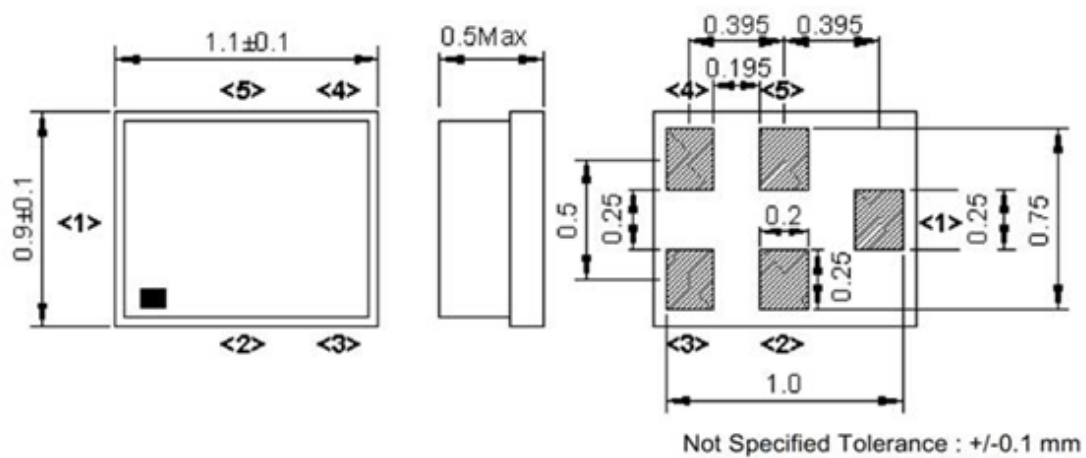
## MEASUREMENT CIRCUIT:



Source Impedance:  $50\ \Omega$

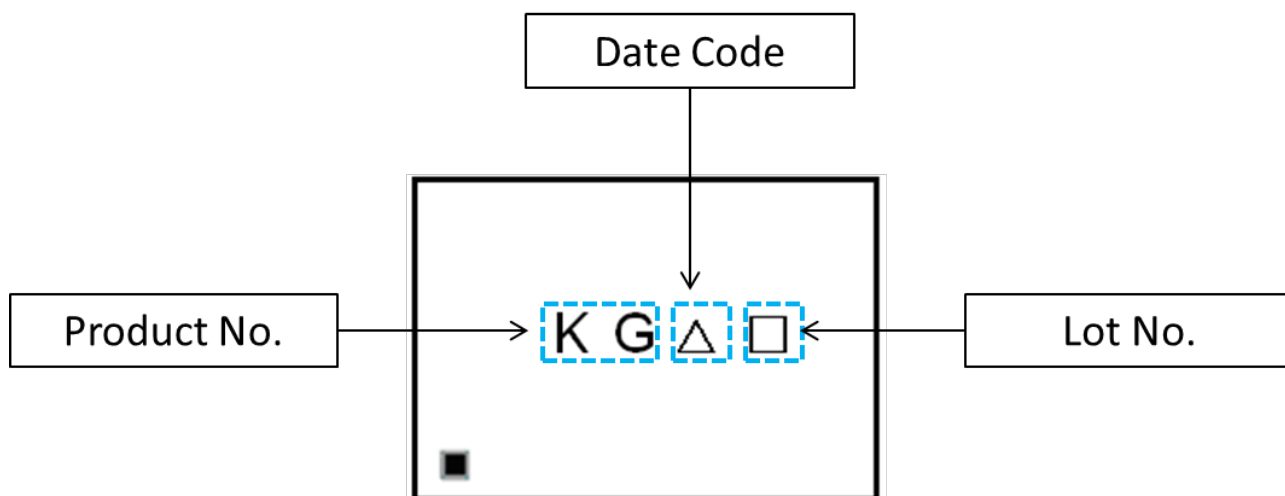
Load Impedance:  $100\ \Omega$

## OUTLINE DRAWING:

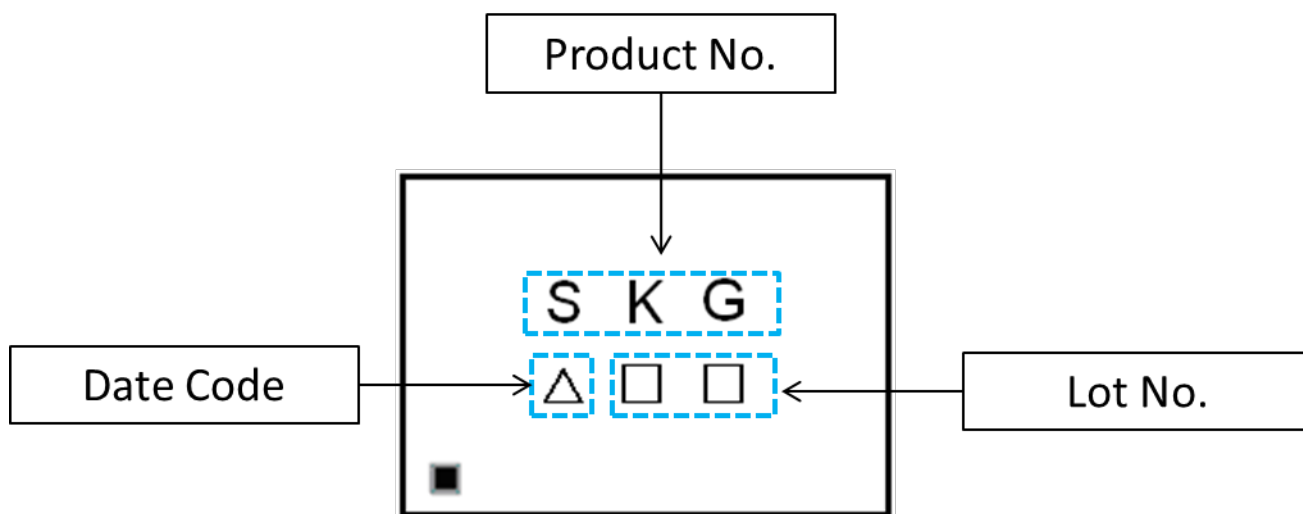


Pin Description	
B, E	Ground
A	Input
C,D	Balanced Output

## Top View (Sample Run)



## Top View (Pilot Run):



△ : Date Code

□ : Lot No. (Indicated by 0~9 or A to Z and a to z, except I, O, i, o and l)

## Product date Code (EIAJ)

Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
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	A	B	C	D	E	F	G	H	J	K	L	M
2018	N	P	Q	R	S	T	U	V	W	X	Y	Z

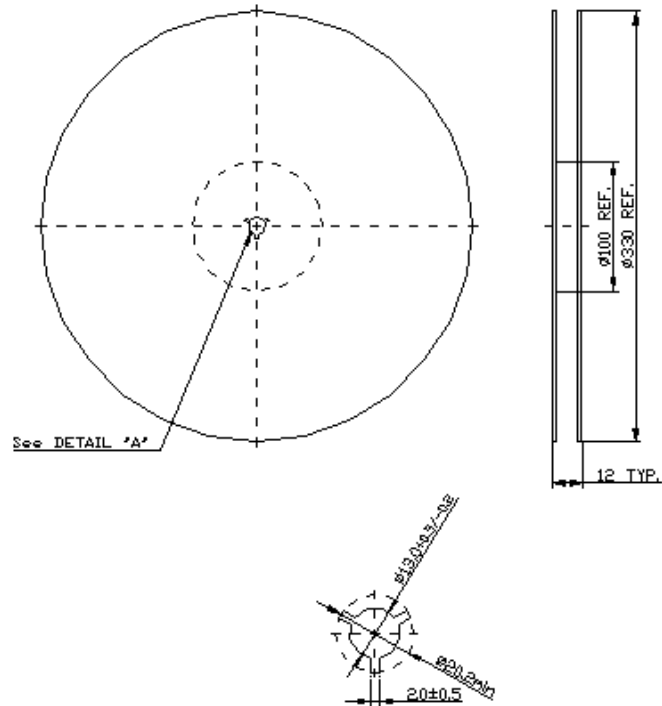
## PACKING

### REEL DIMENSION

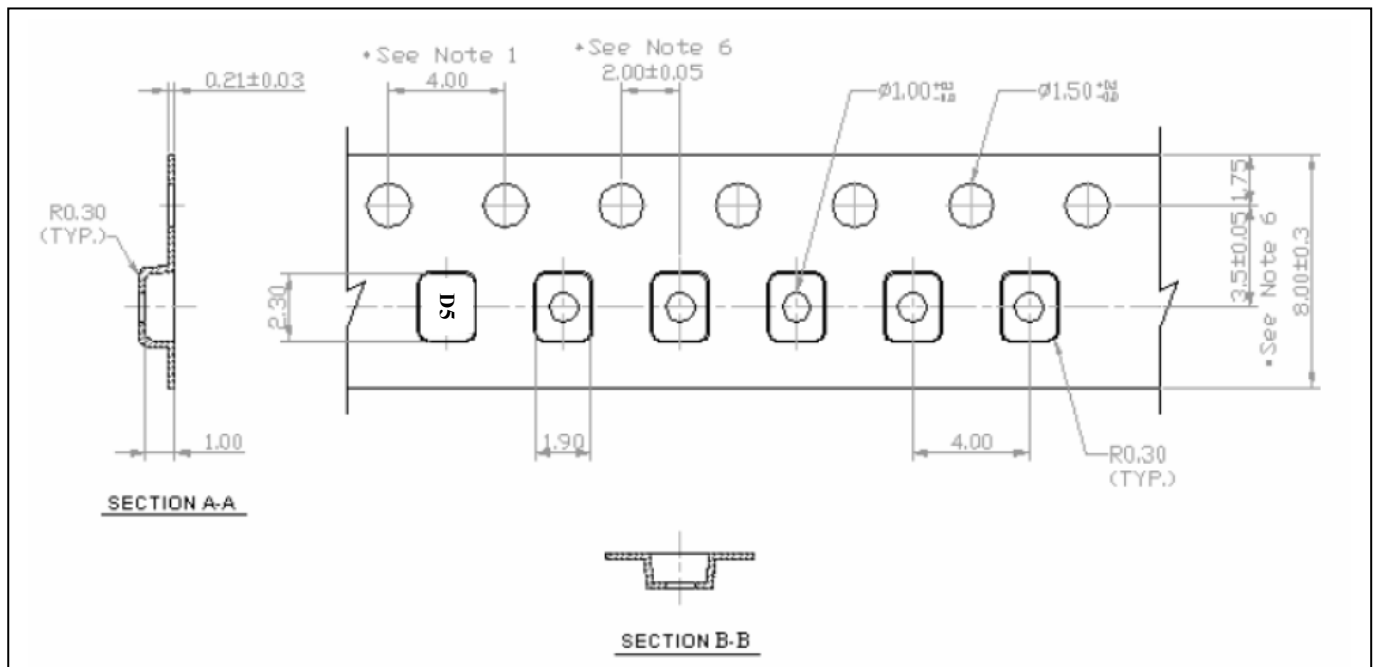
Reel Count:

7" = 3000

13" = 10,000



### 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.

