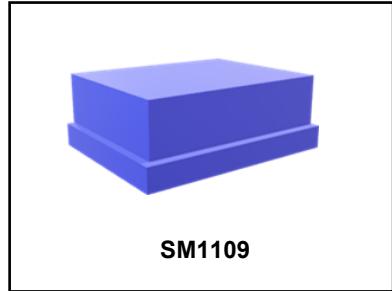


SF2560LM

**881.5 MHz
SAW Filter**



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 _{p-p}	-	0.5	1.0	
VSWR	869.0 ~ 894.0MHz			1.6	2.0	
Attenuation:						
DC ~ 824.0 MHz		dB	50	65	-	
824.0 ~ 849.0 MHz		dB	50	56	-	
914.0 ~ 960.0 MHz		dB	25	35	-	
960.0 ~ 2000.0 MHz		dB	40	50	-	
2000.0 ~ 6000.0 MHz		dB	30	43	-	

Notes : (1) No Matching Network .



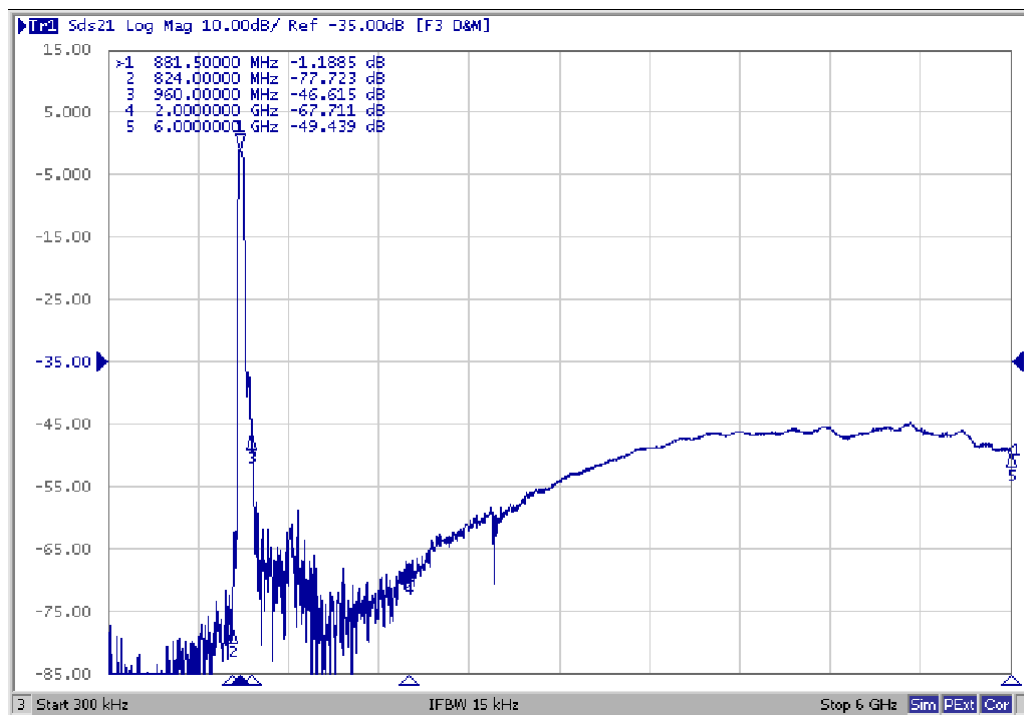
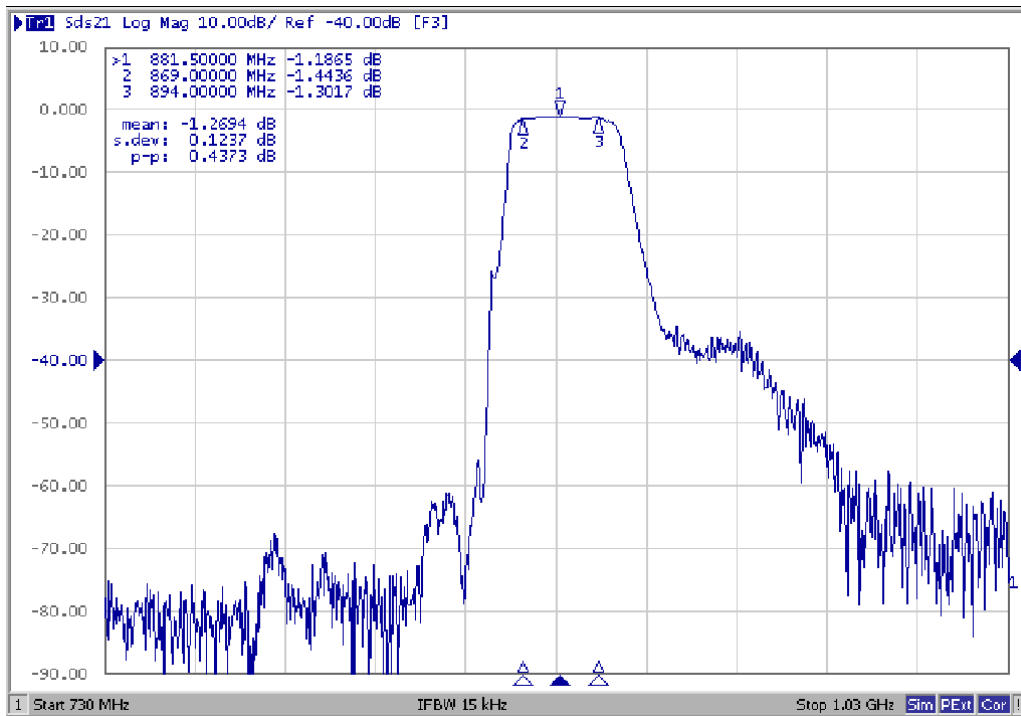
CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

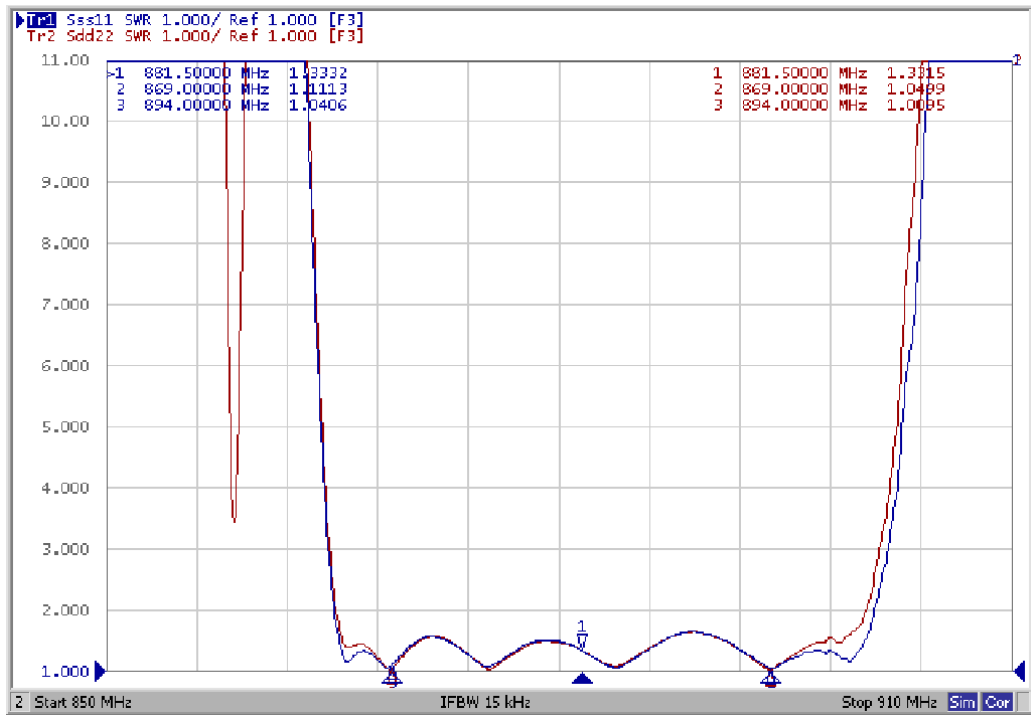
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

Frequency Characteristics

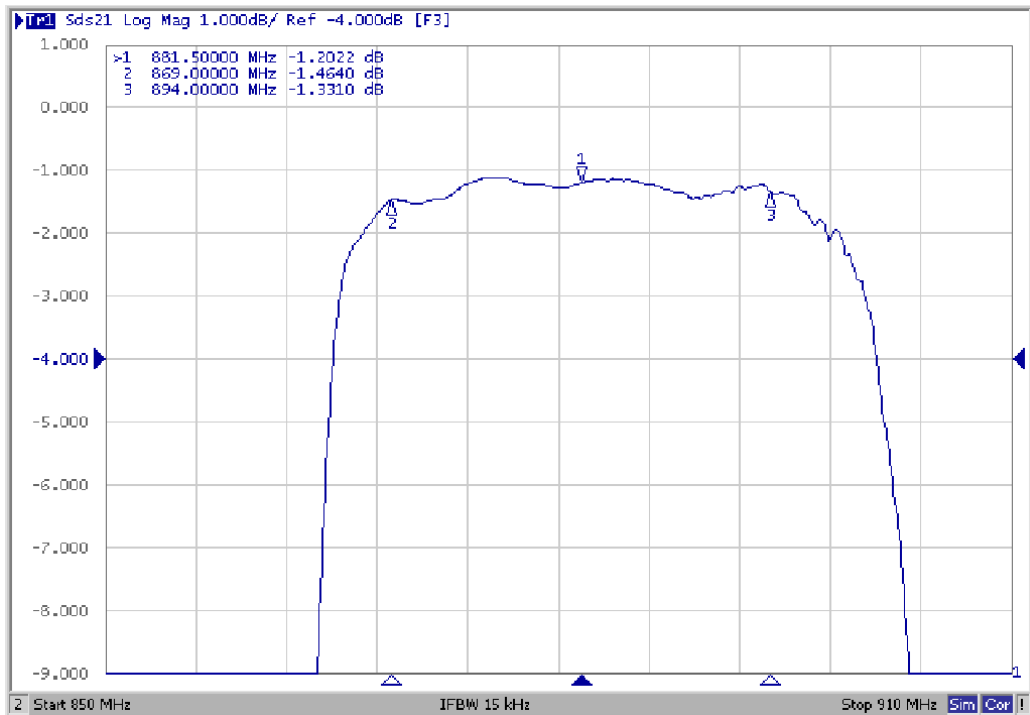
Frequency Response



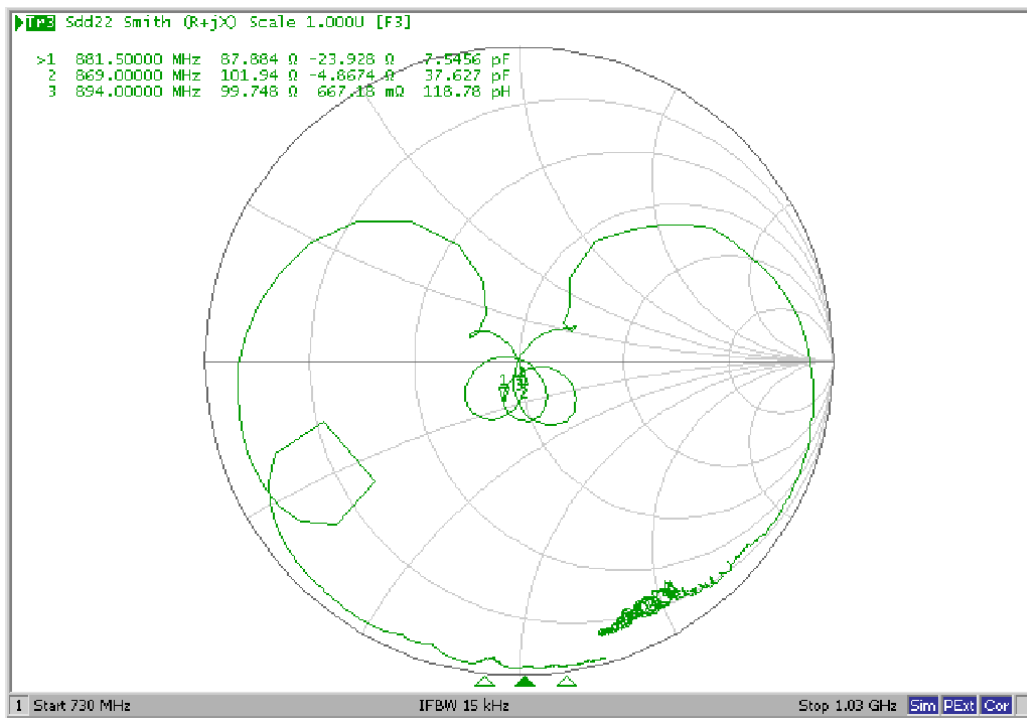
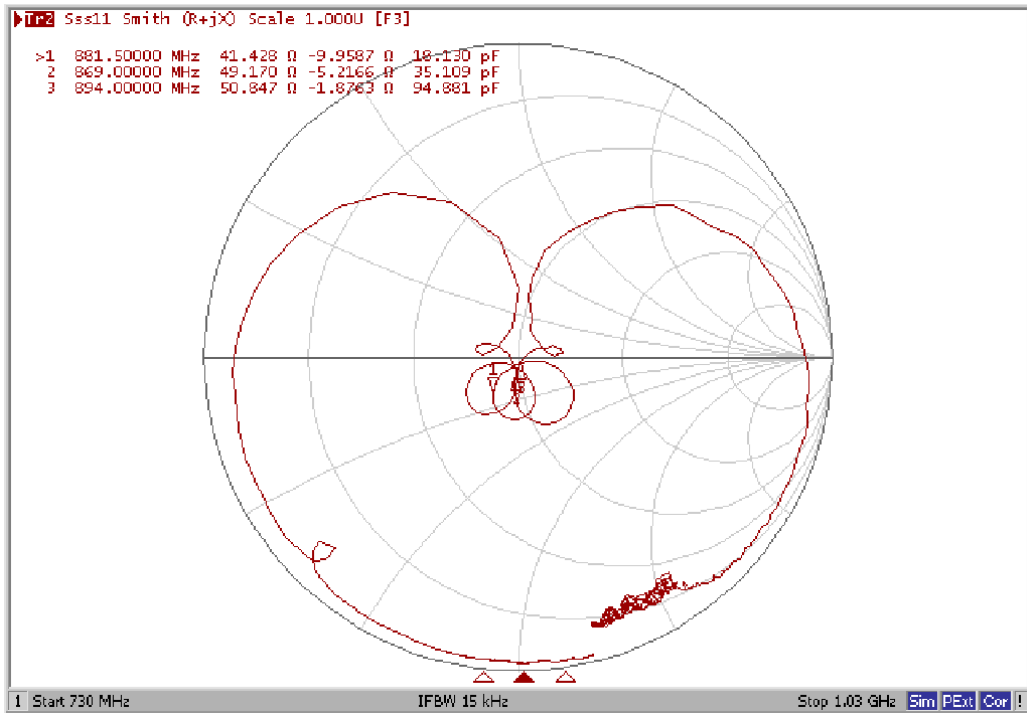
VSWR



Ripple



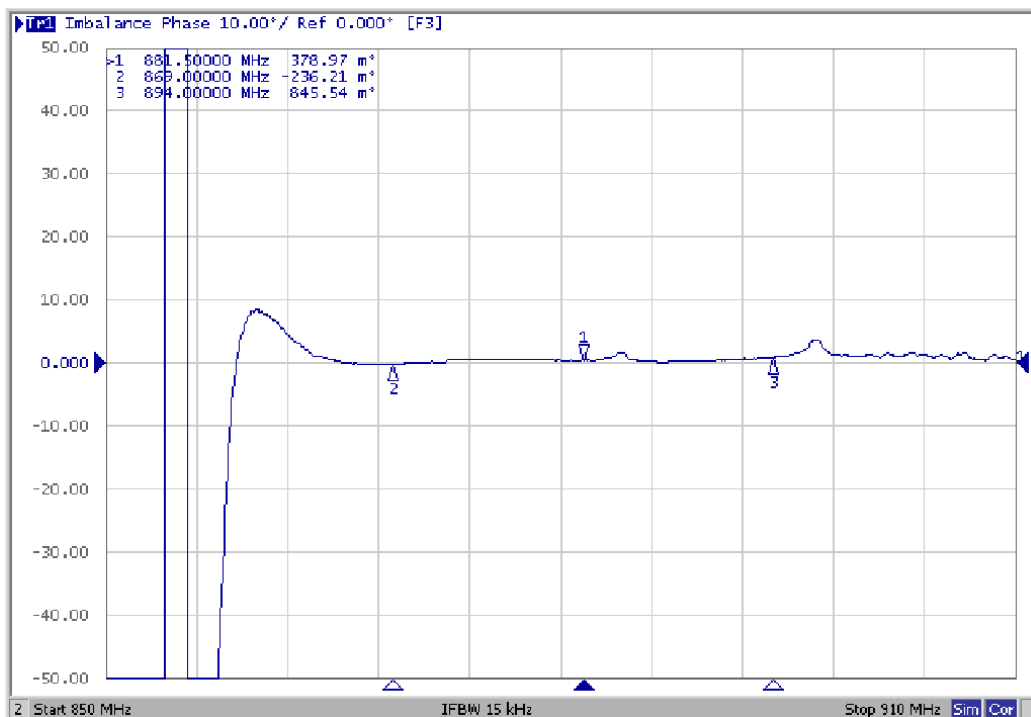
Smith Chart



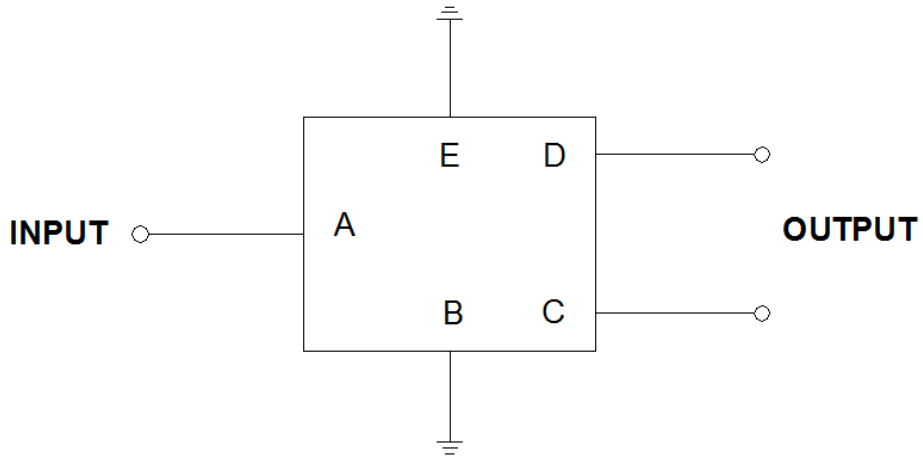
Amplitude balance



Phase balance



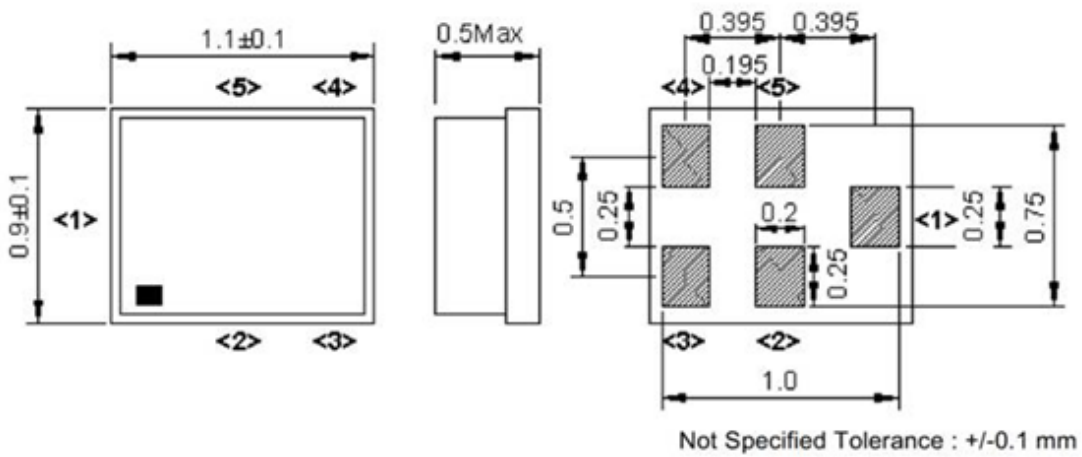
MEASUREMENT CIRCUIT:



Source Impedance: 50 Ω

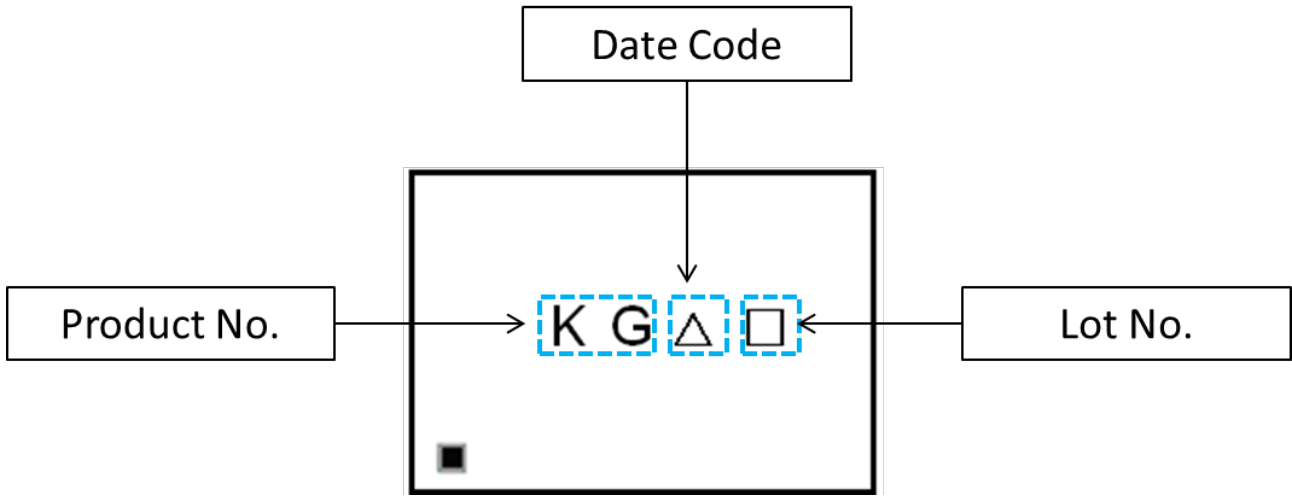
Load Impedance: 100 Ω

OUTLINE DRAWING:

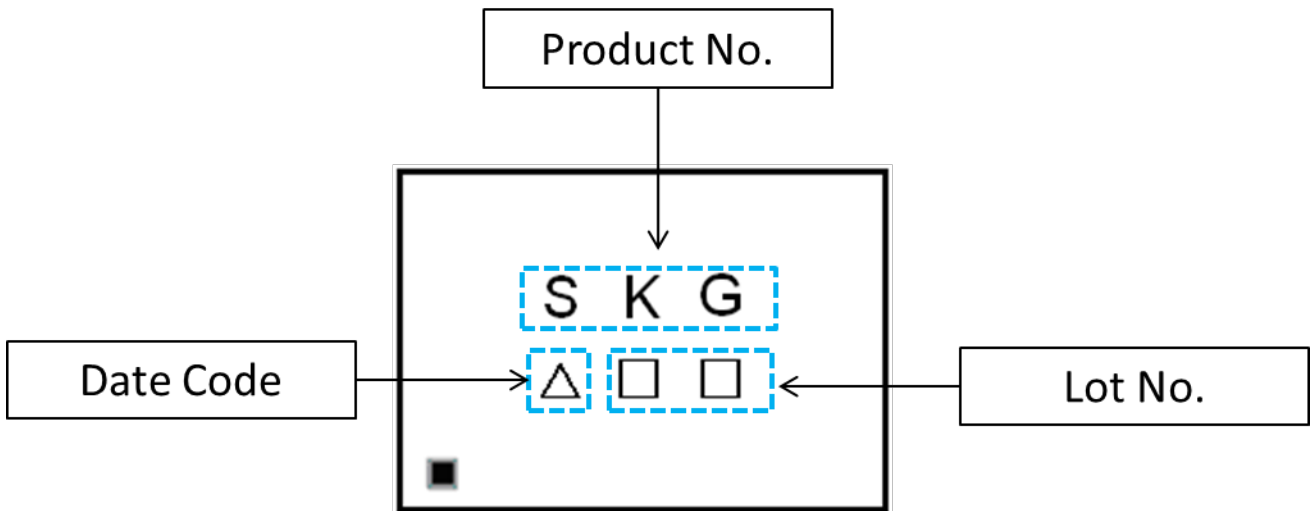


Pin Description	
B, E	Ground
A	Input
C,D	Balanced Output

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)

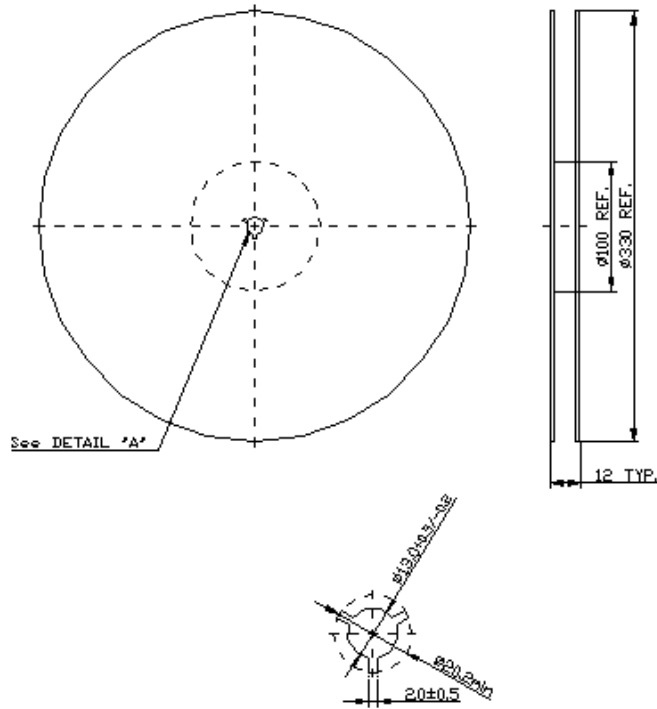
Product date Code (EIAJ)

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

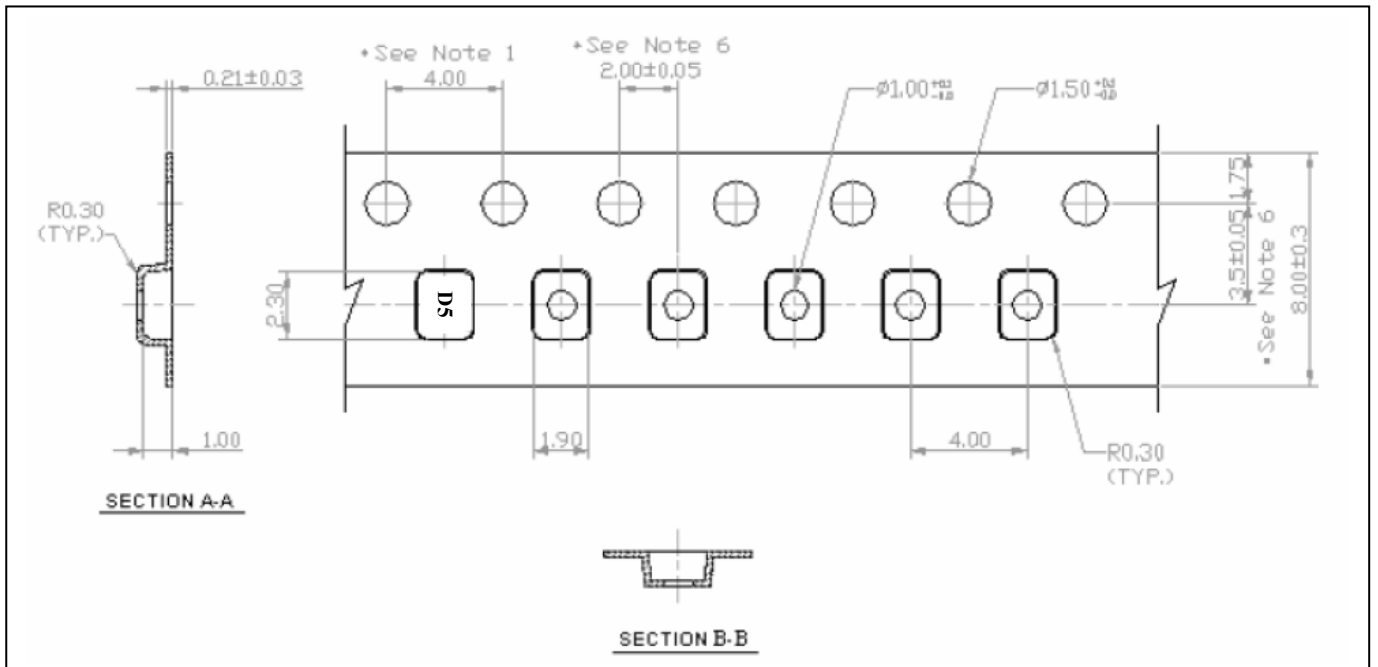
PACKING

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.

