

SAW Filter 866.5 MHz

MODEL NO.: TA2476A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 18 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1 (MSL1)

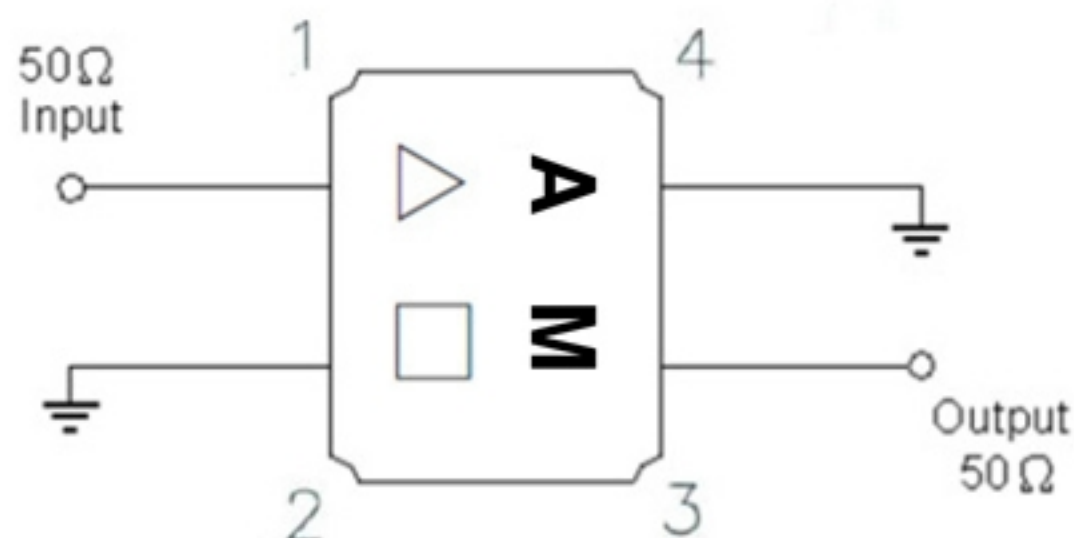
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

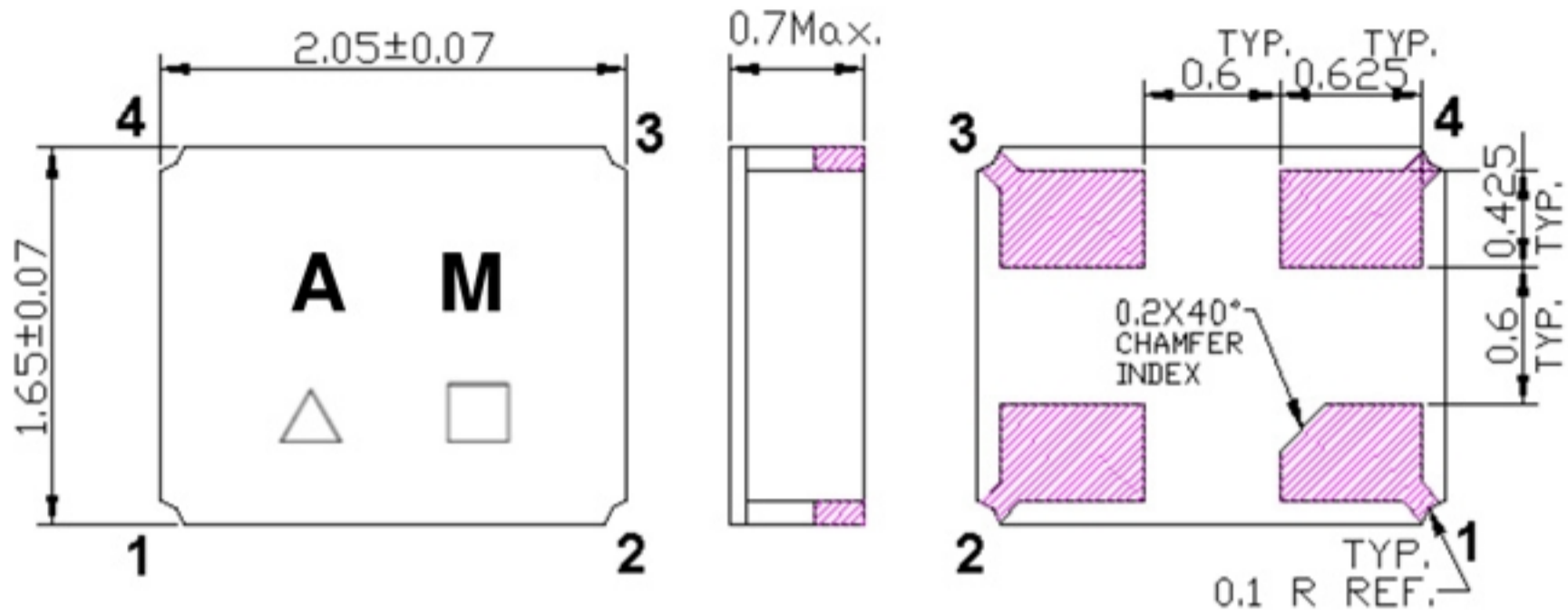
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	
Center frequency	Fc	MHz	-	866.5	-
Insertion Loss (863~870 MHz)	IL	dB	-	2.2	3.8
Amplitude Ripple (863~870 MHz)	dB _{p-p}	-	0.2	1.6	
VSWR (863~870 MHz)	-	-	1.5	2.5	
Attenuation (Reference level from 0 dB)					
10~830 MHz	dB	45	56	-	
830~850 MHz	dB	14	45	-	
885~905 MHz	dB	14	27	-	
905~950 MHz	dB	34	40	-	
950~1500 MHz	dB	40	55	-	
1500~3000 MHz	dB	25	32	-	
Temperature coefficient of frequency	ppm/k	-	-36	-	

C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:



#1: Input

#3: Output

#2, 4: Ground

Unit: mm

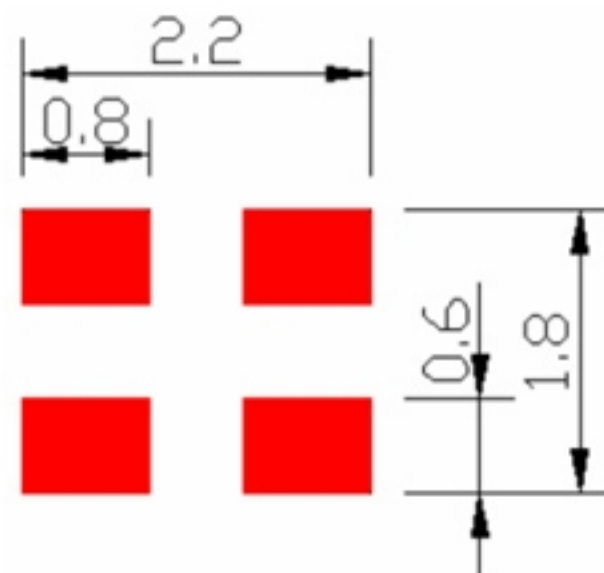
△: Year Code (2010->0, 2011->1, ..., 2019->9)

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

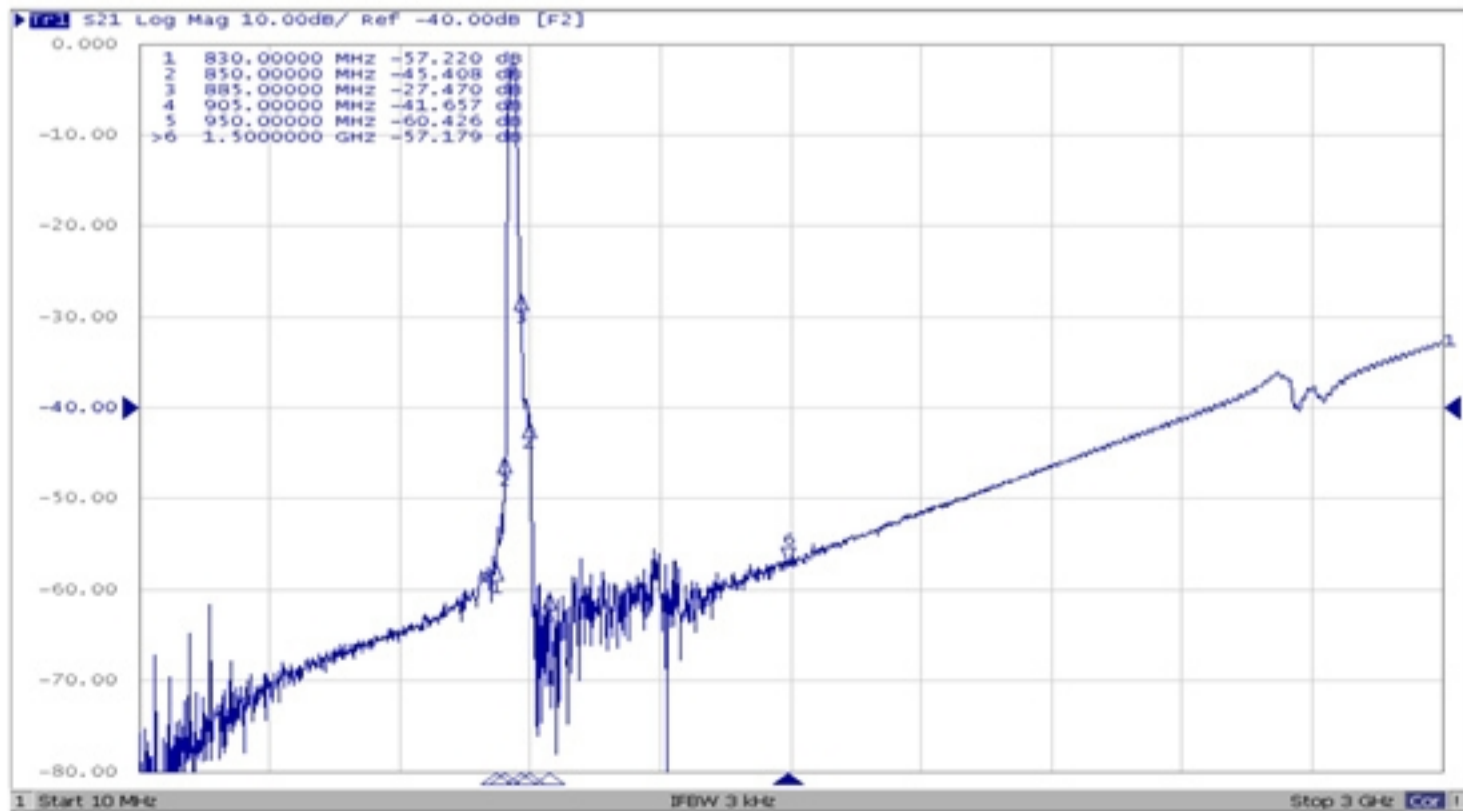
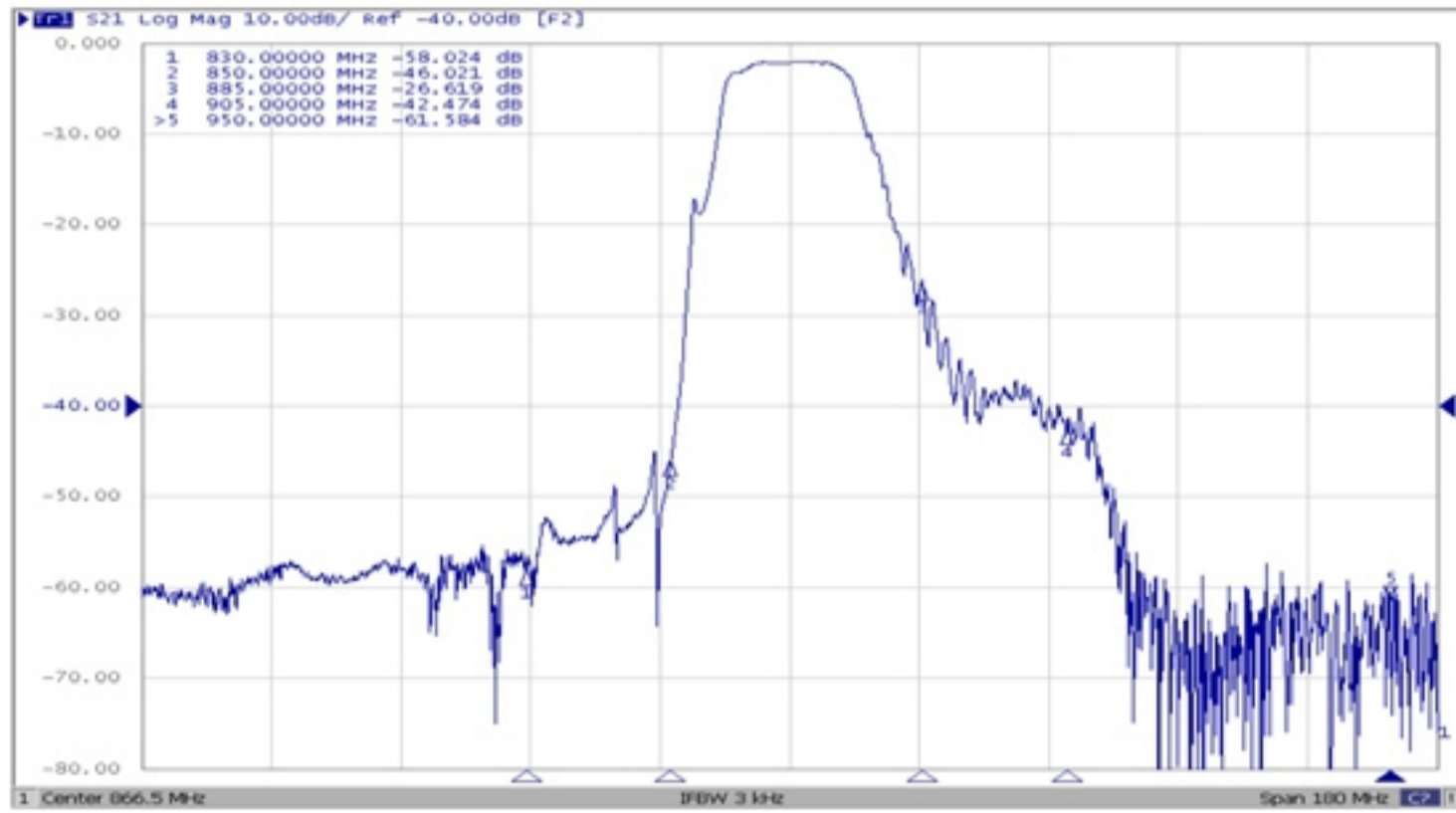
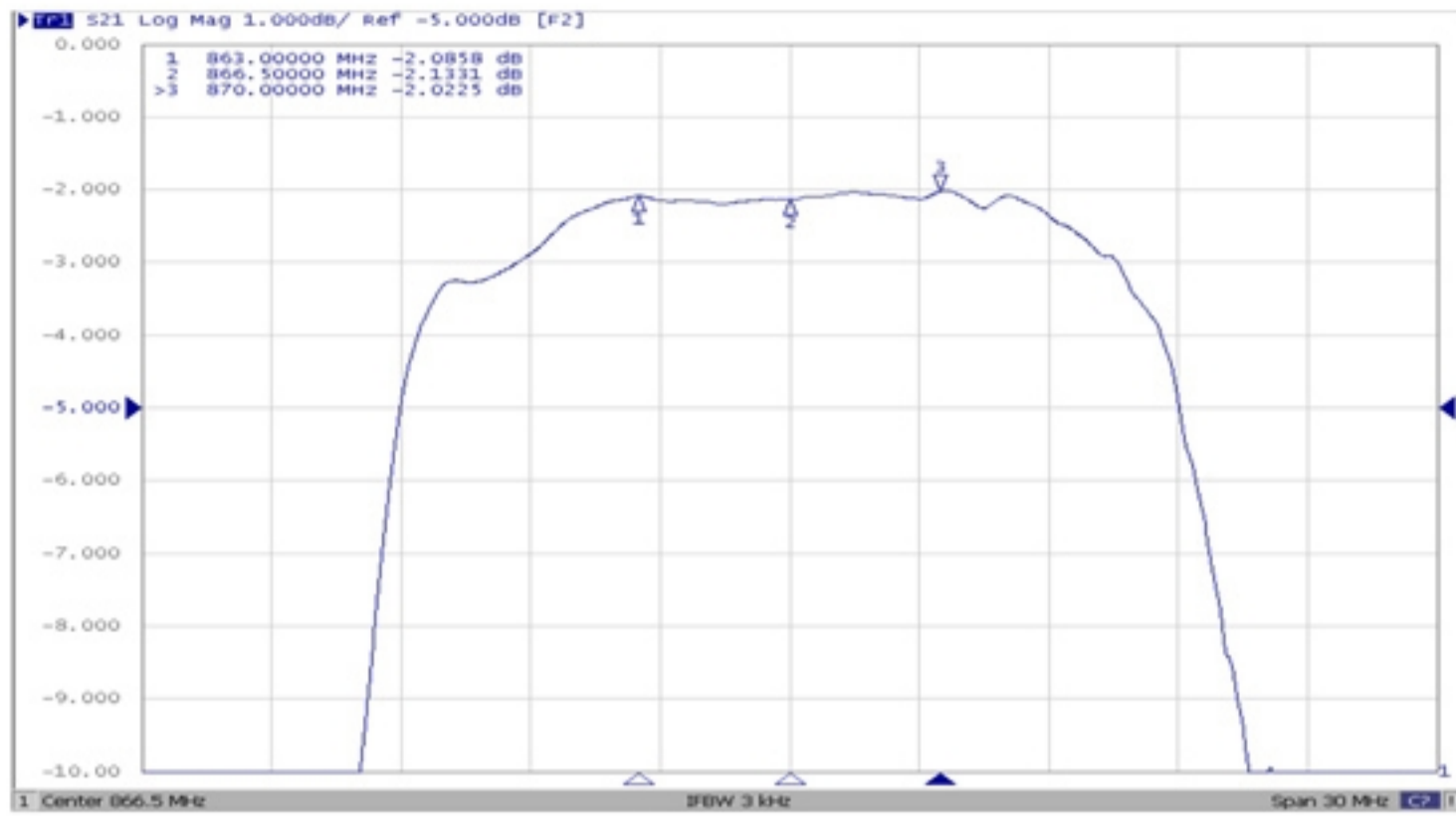
Date Code Table:

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

E. PCB Footprint:

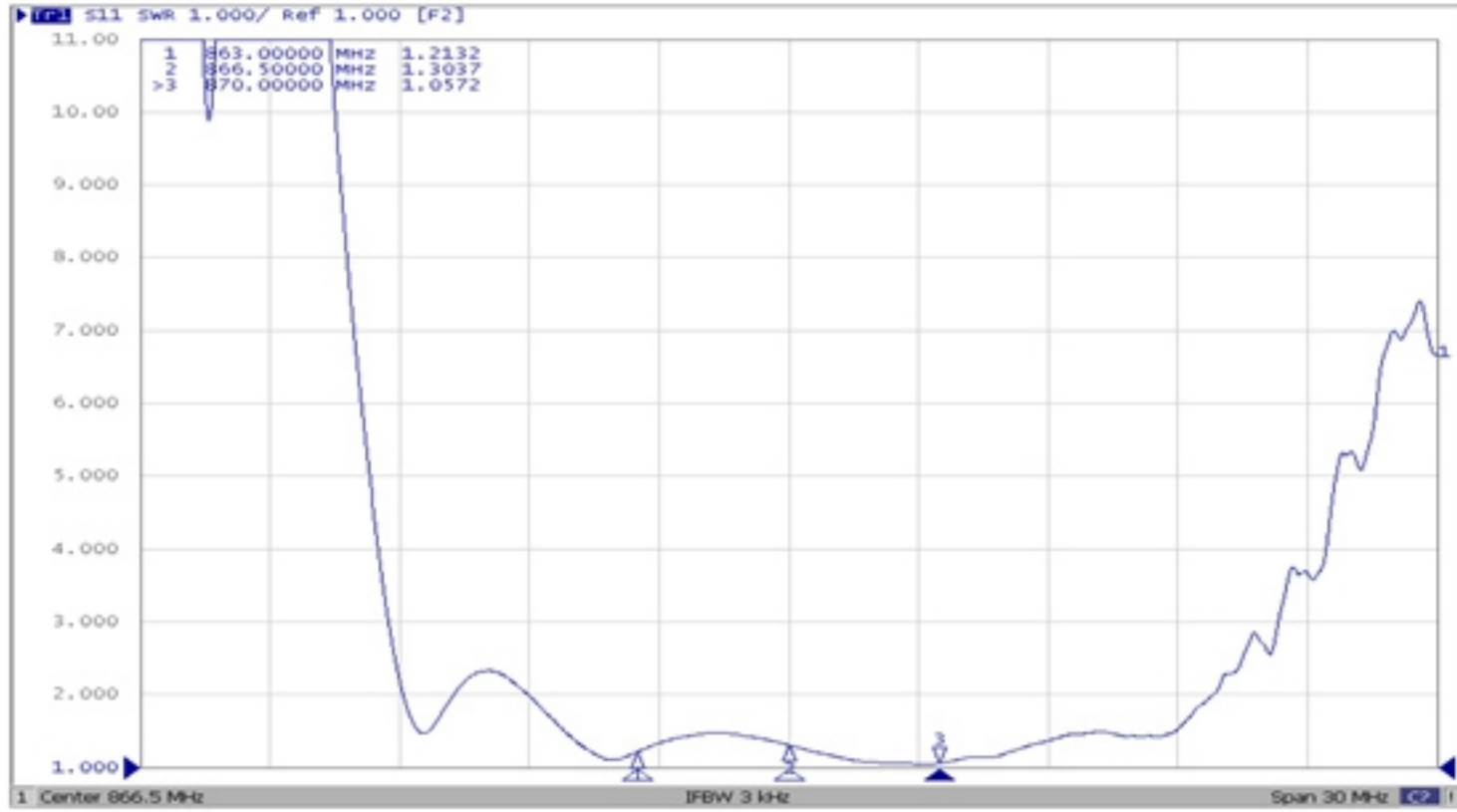


F. Frequency Characteristics:

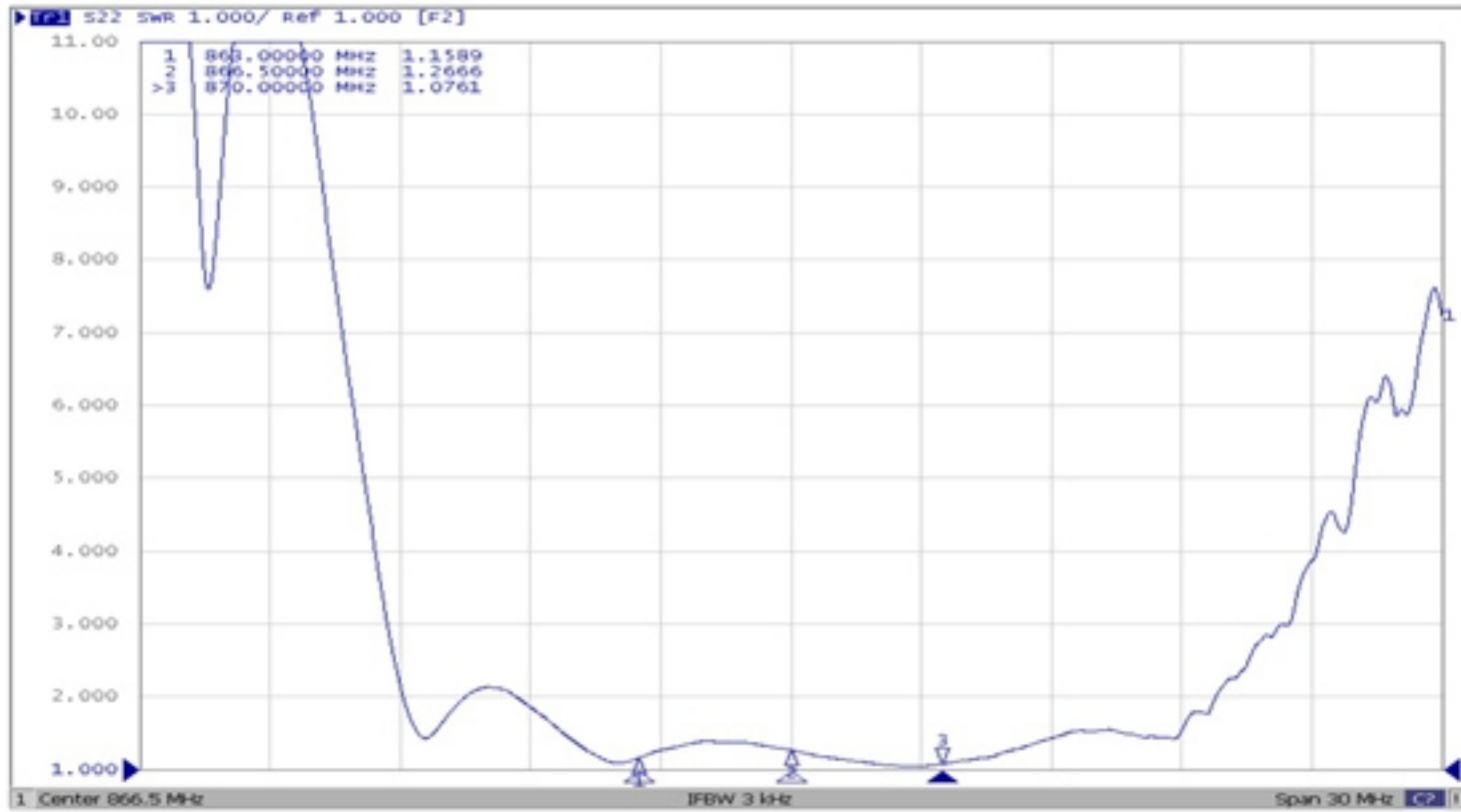


Reflection Functions:

S11



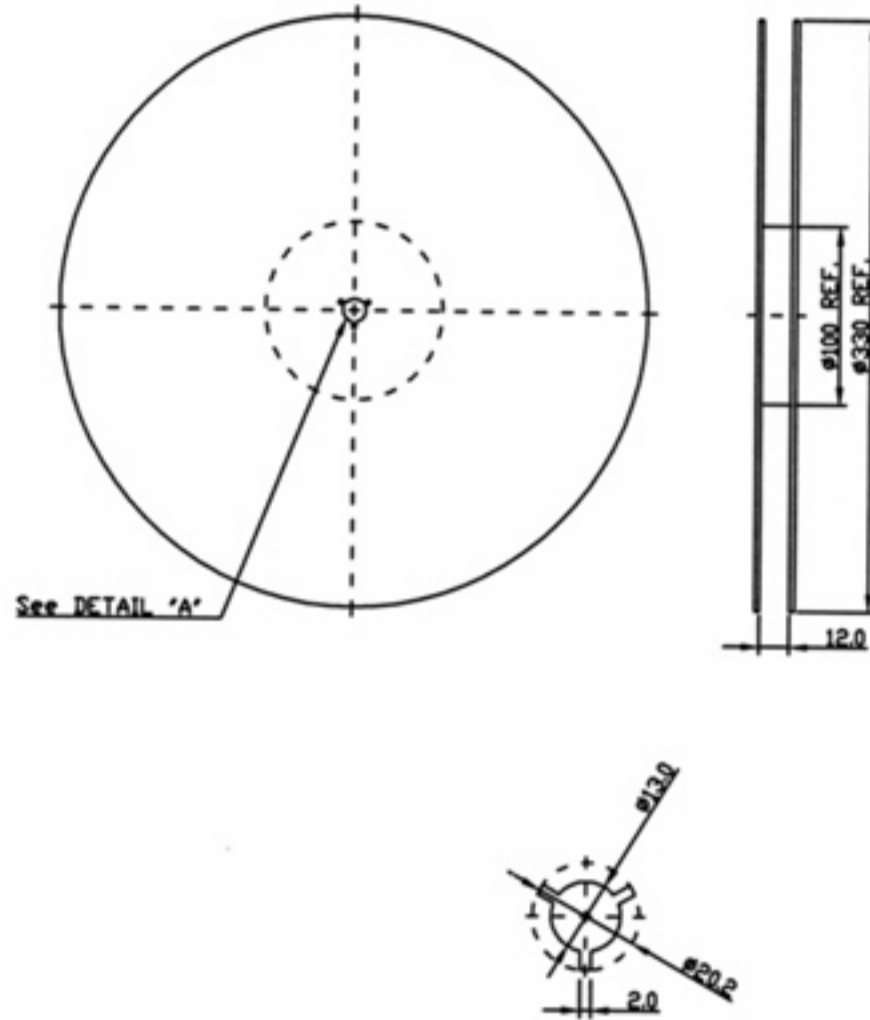
S22



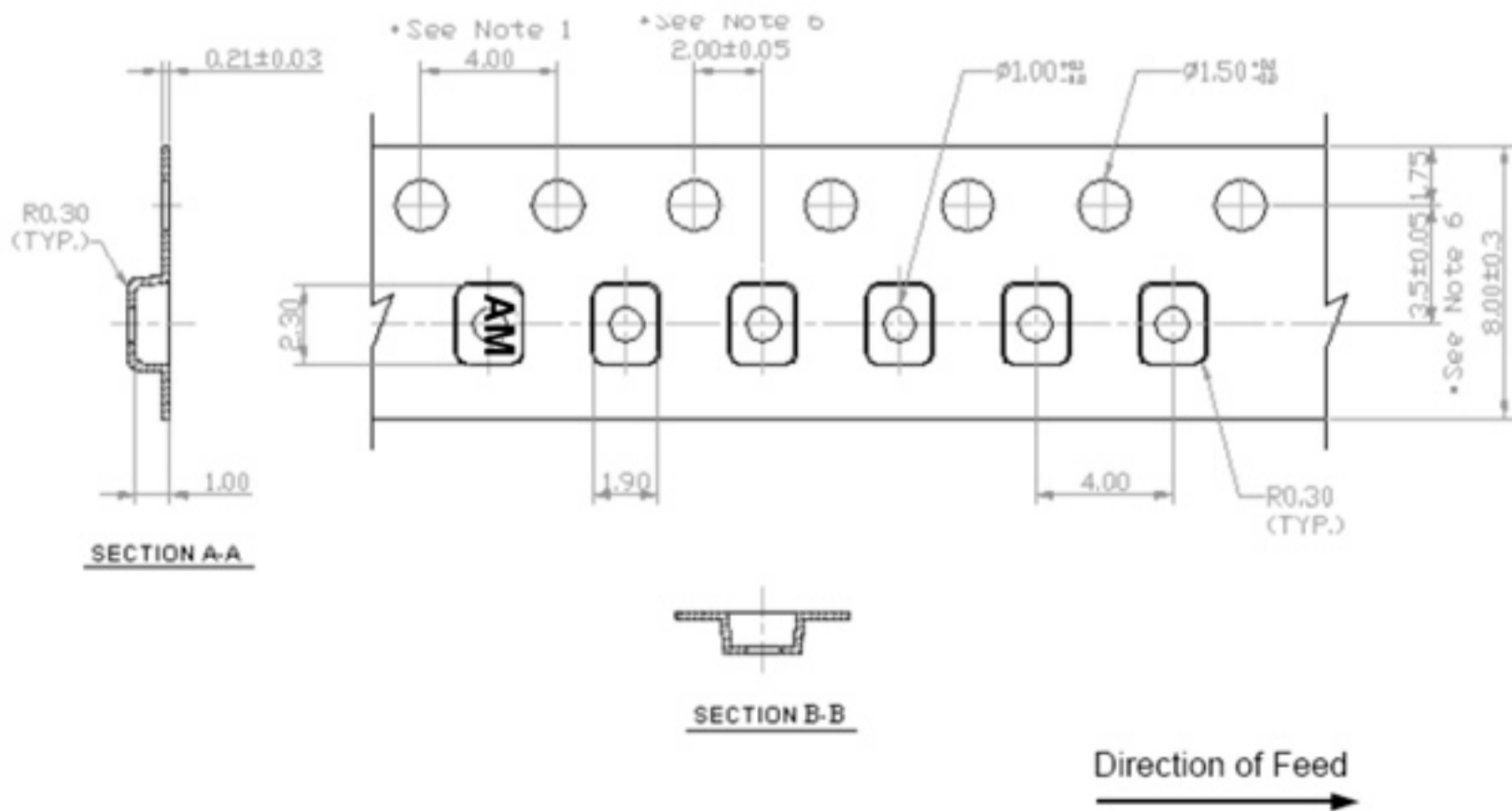
G. PACKING: (Ref. WI-75M03)

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2. TAPE DIMENSION



H. 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.

