SAW Filter 836.5MHz

MODEL NO.:TA0968B REV. NO.:1

RoHS Compliant

Lead-free soldering

Electrostatic **S**ensitive **D**evice (**ESD**)

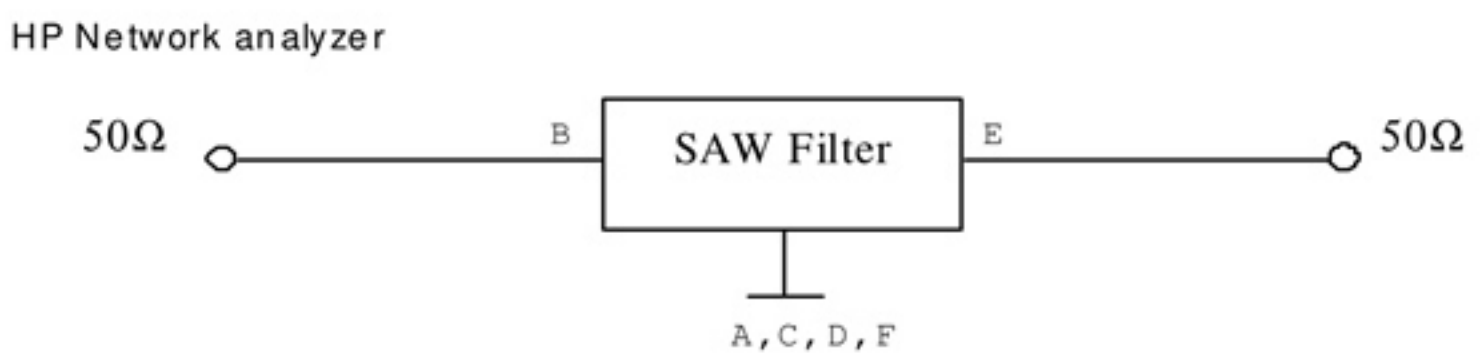
A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40℃ to +85℃
4. Storage Temperature: -40℃ to +95℃
5. Moisture Sensitivity Level: Level 1 (MSL 1)

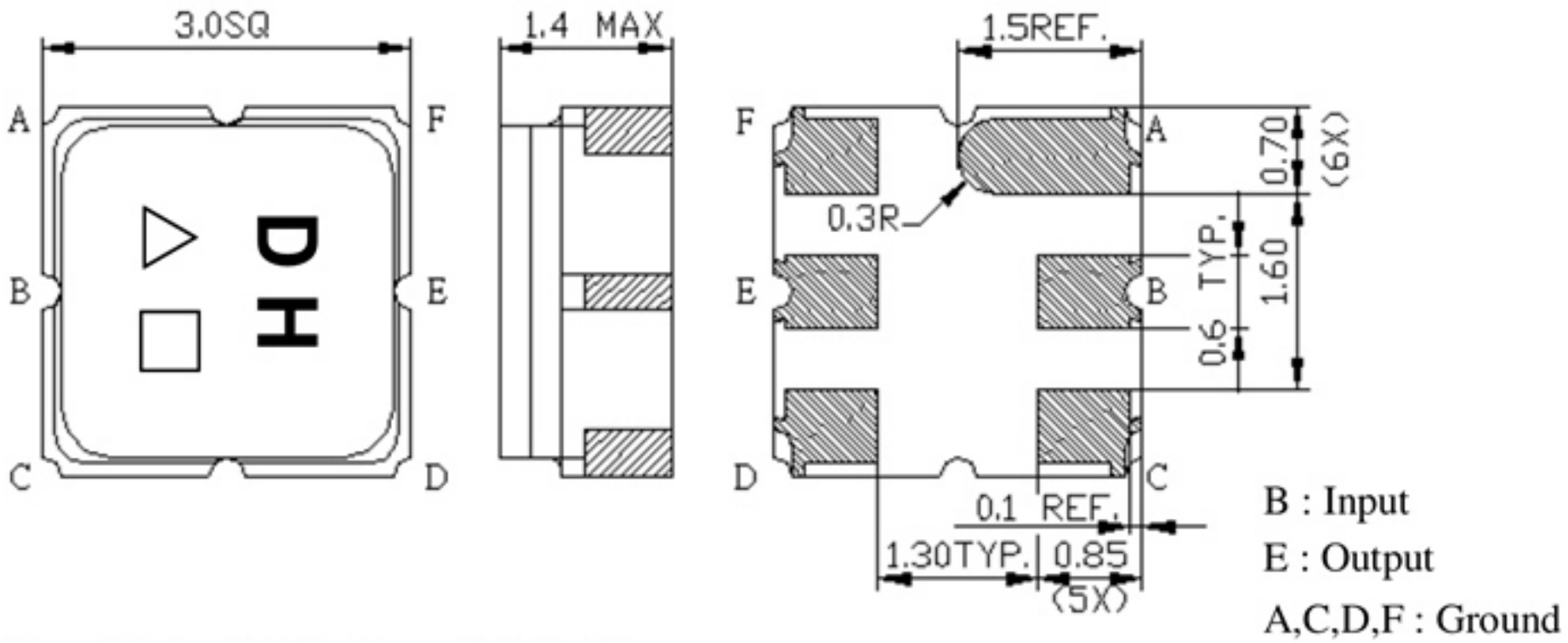
B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Type.	Max.	Note
Center Frequency	**Fc**	MHz	-	836.5	-	-
Insertion Loss (824 ~ 849 MHz)	**IL**	dB	-	2.5	3.2	-
Amplitude Ripple (824 ~ 849 MHz)		dB	-	0.9	1.7	-
VSWR (824 ~ 849 MHz)			-	1.7	2	-
Relative Attenuation (relative to 0 dB)						
10 ~ 800 MHz		dB	30	51	-	-
869 ~ 894 MHz		dB	17	26.5	-	-
894 ~ 920 MHz		dB	34	39	-	-
920 ~ 1210 MHz		dB	40	60	-	-
1210 ~ 1500 MHz		dB	30	58	-	-
1500 ~ 2000 MHz		dB	25	45	-	-
2000 ~ 2600 MHz		dB	20	33	-	-
2600 ~ 3000 MHz		dB	15	28	-	-

C. MEASUREMENT CIRCUIT:



D.OUTLINE DRAWING:



B : Input

E : Output

A,C,D,F : Ground

Unit : mm

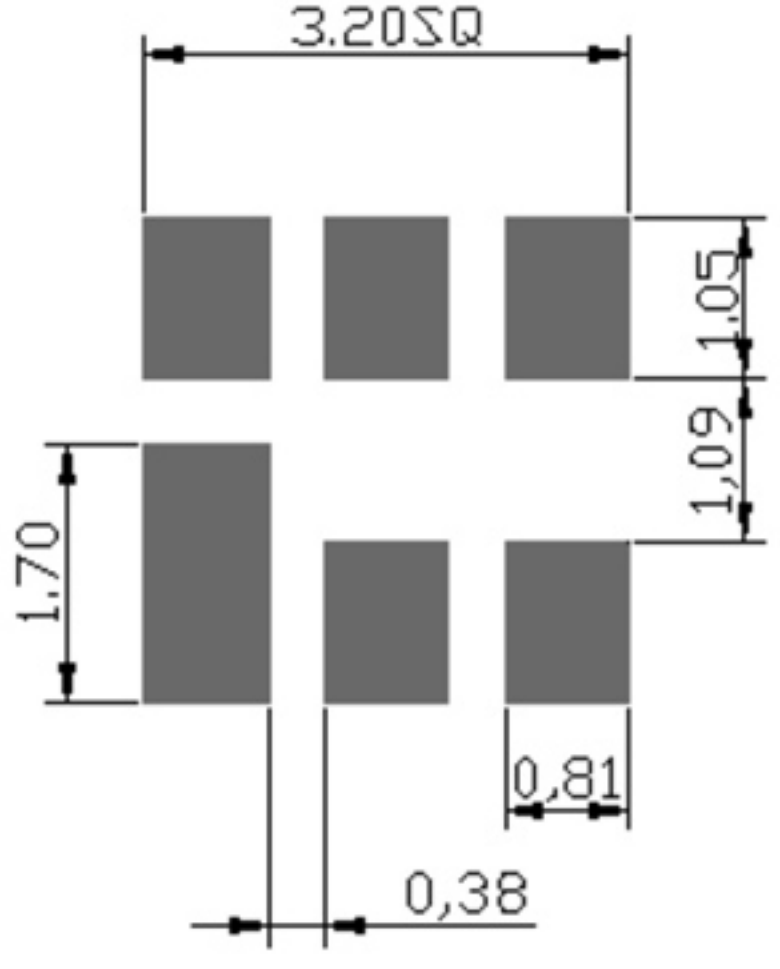
△ : Year Code (2016->6, …, 2029->9)

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

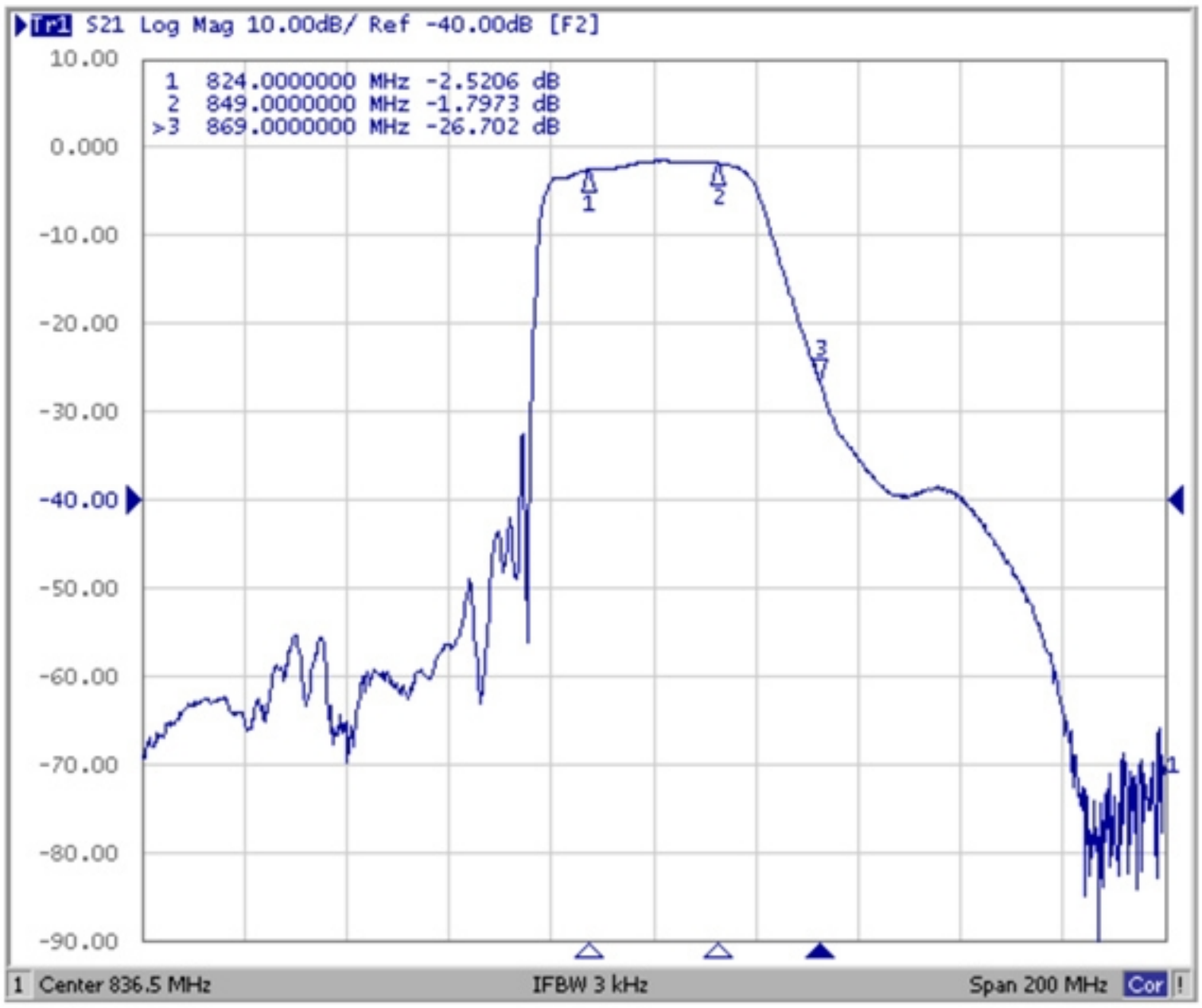
Date Code Table

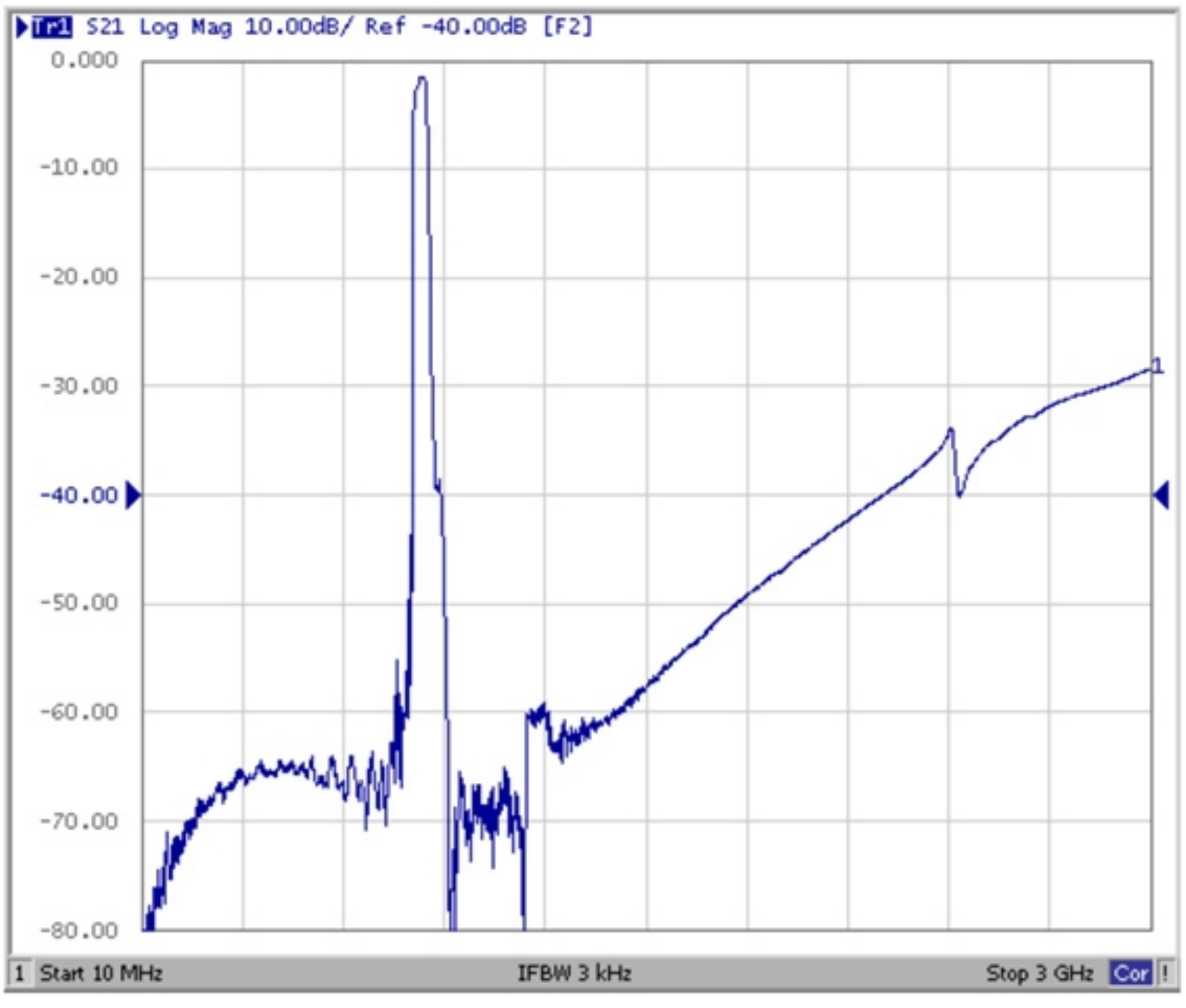
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

E. PCB Footprint:



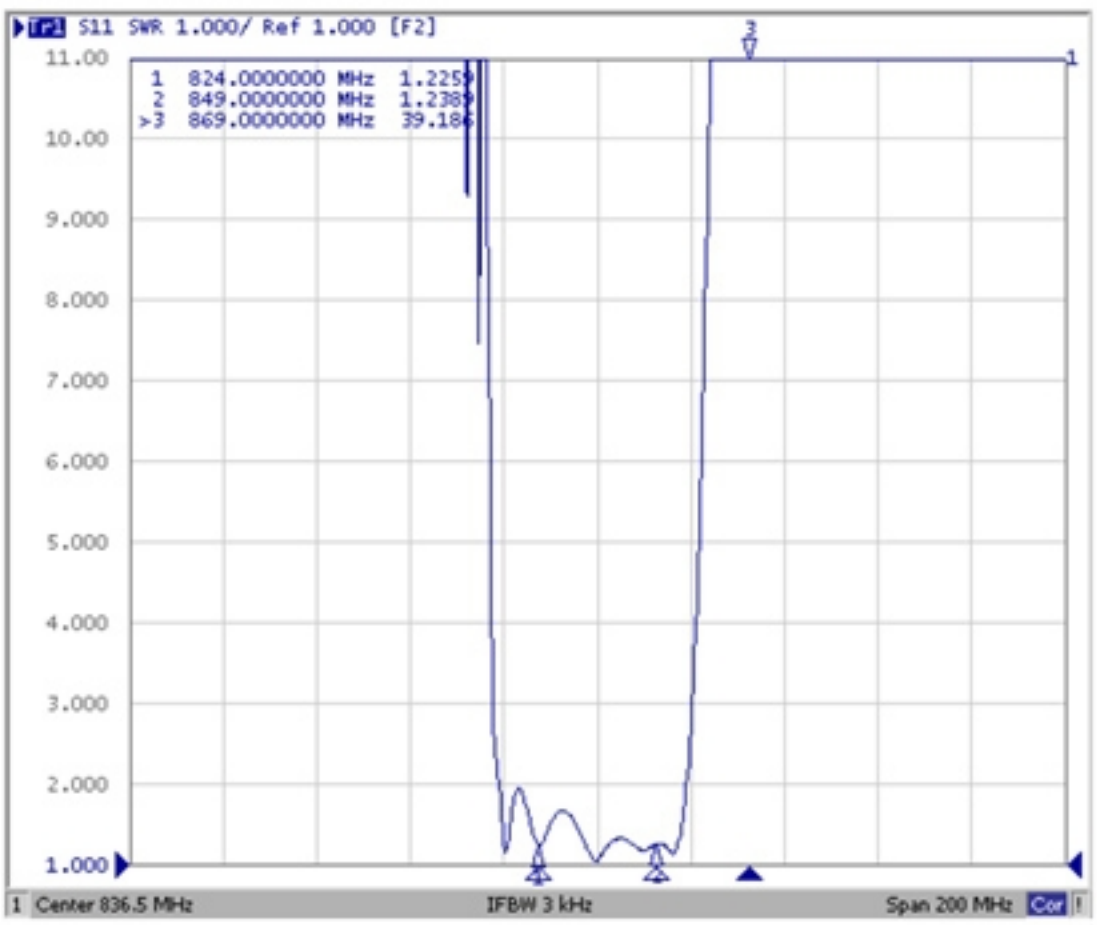
F. Frequency Characteristics :

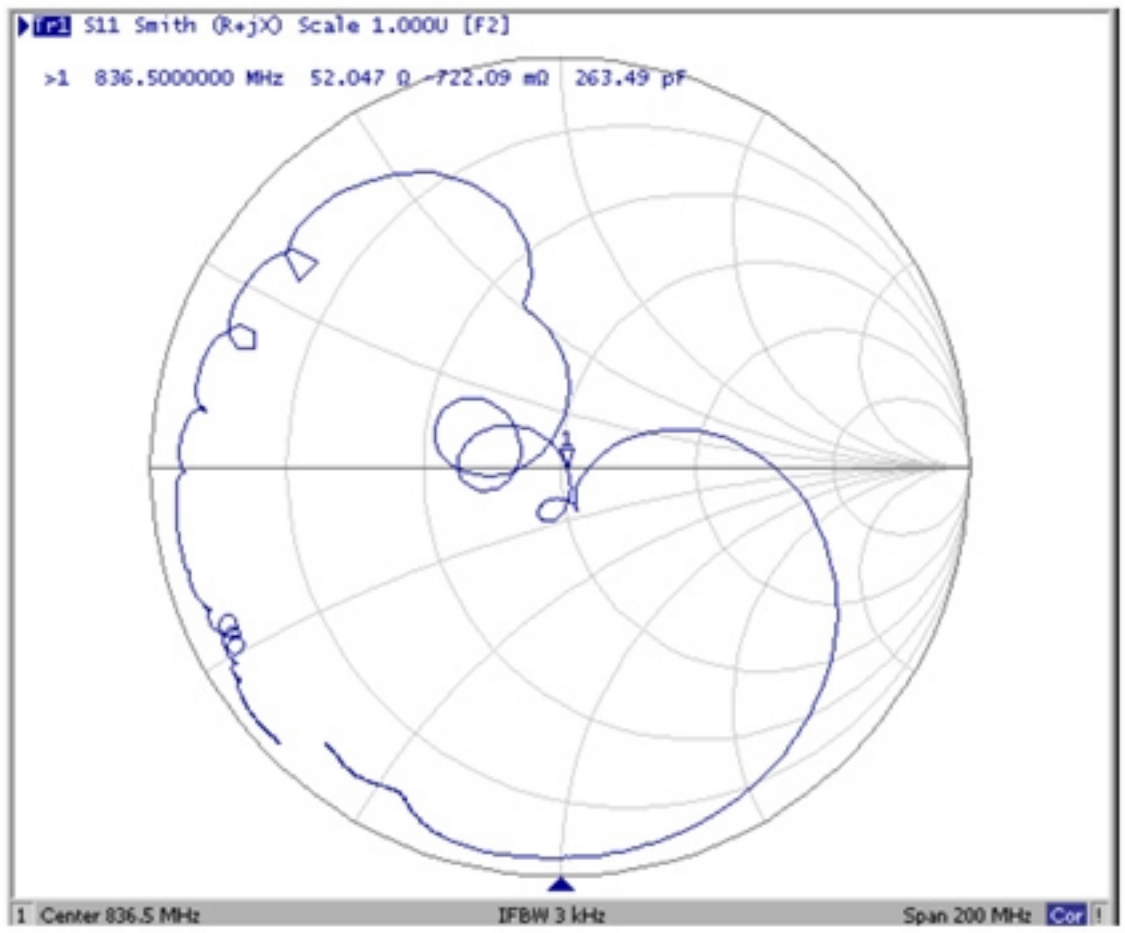




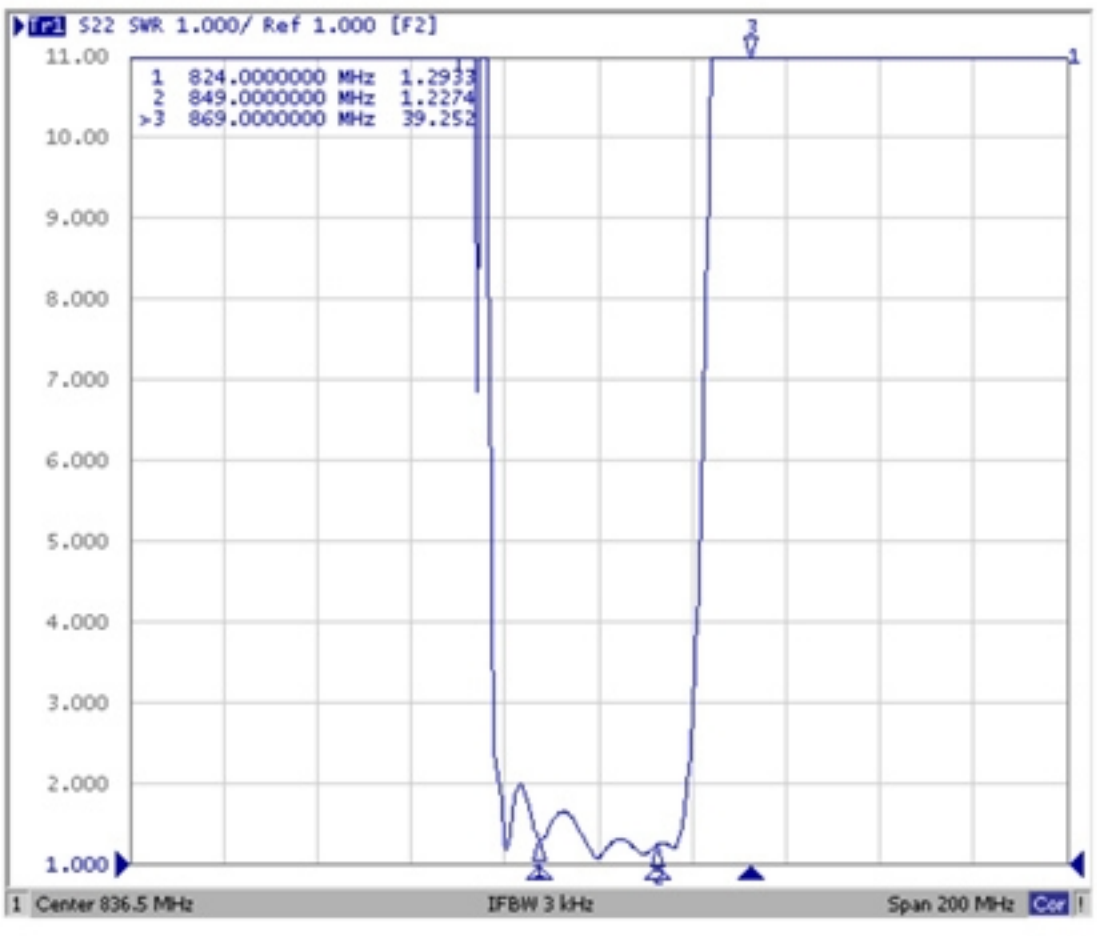
Reflections Functions :

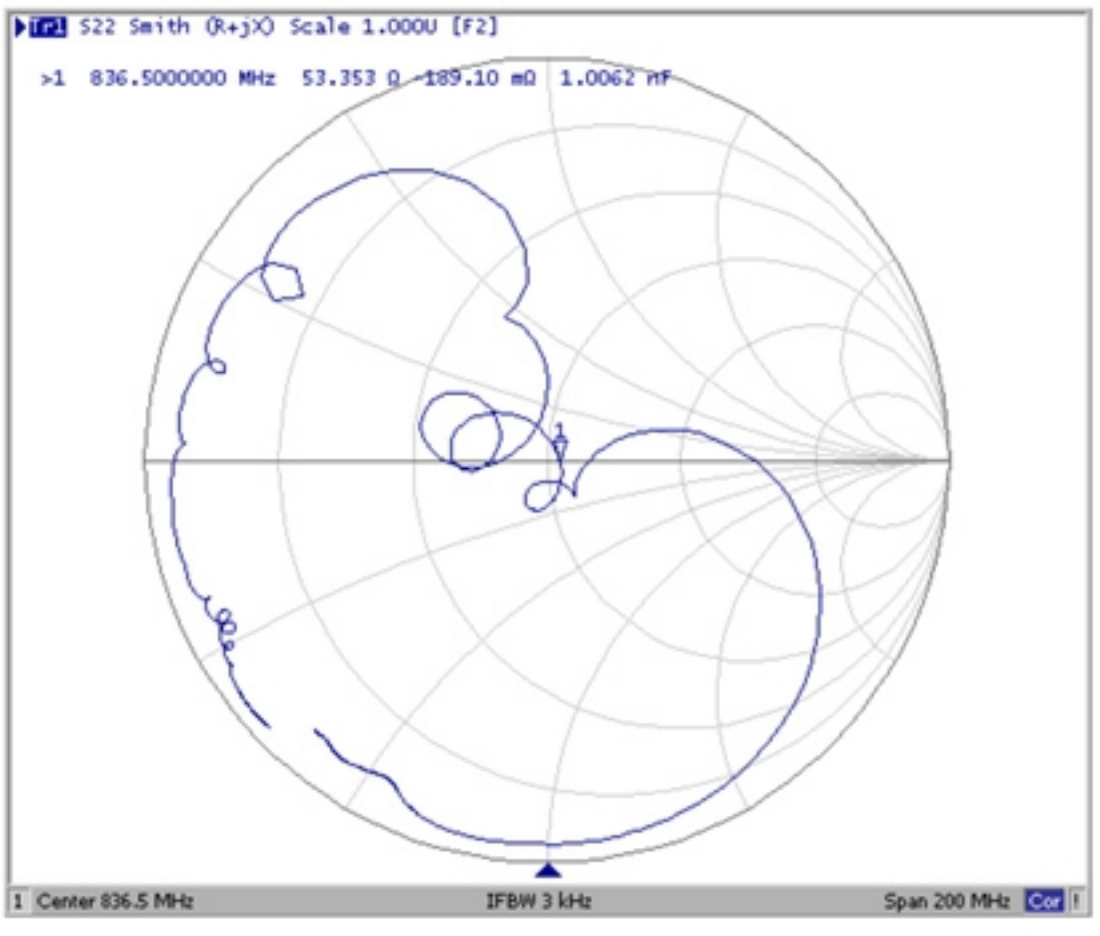
S11 VSWR





S22 VSWR

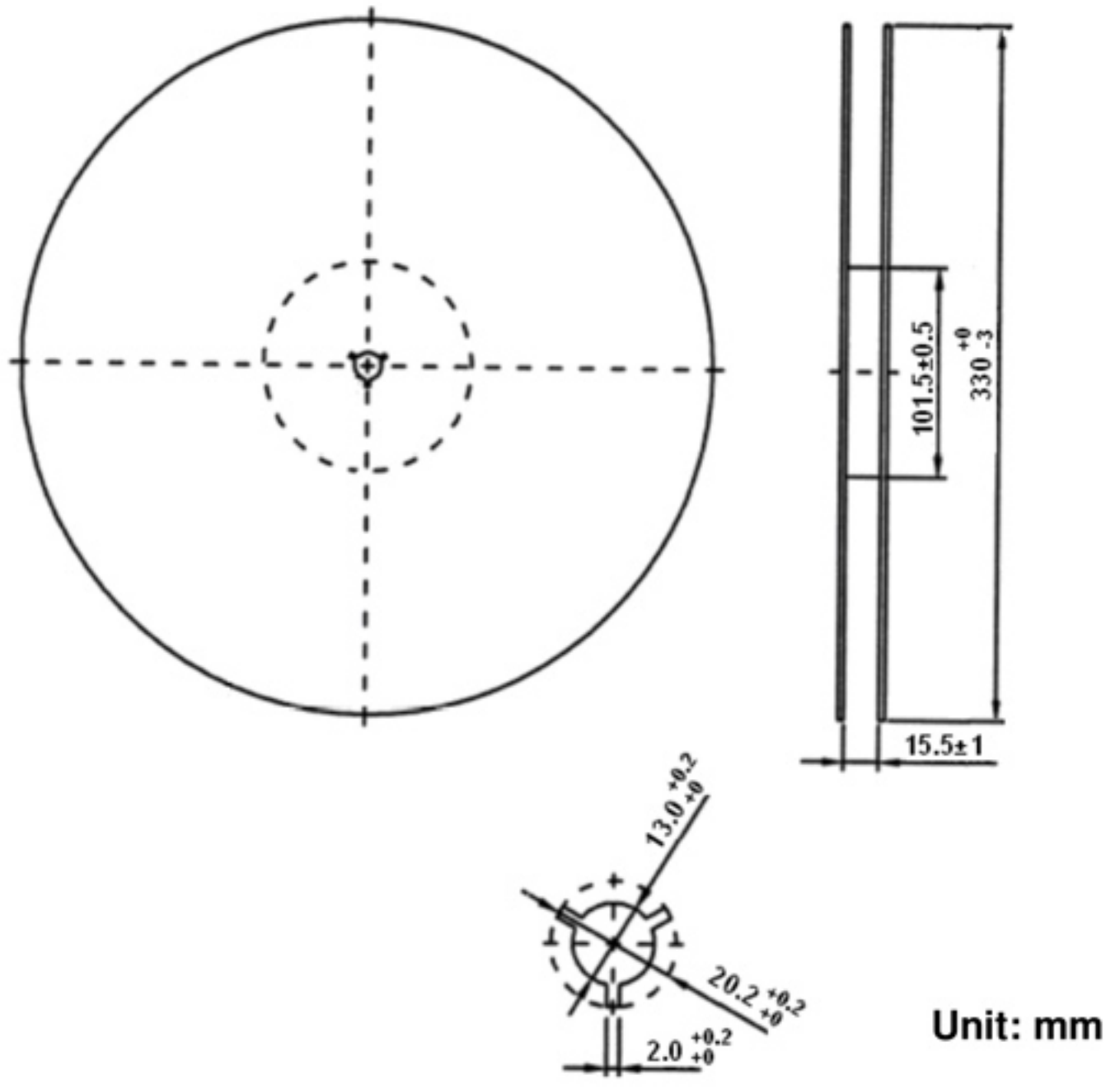




G. PACKING:

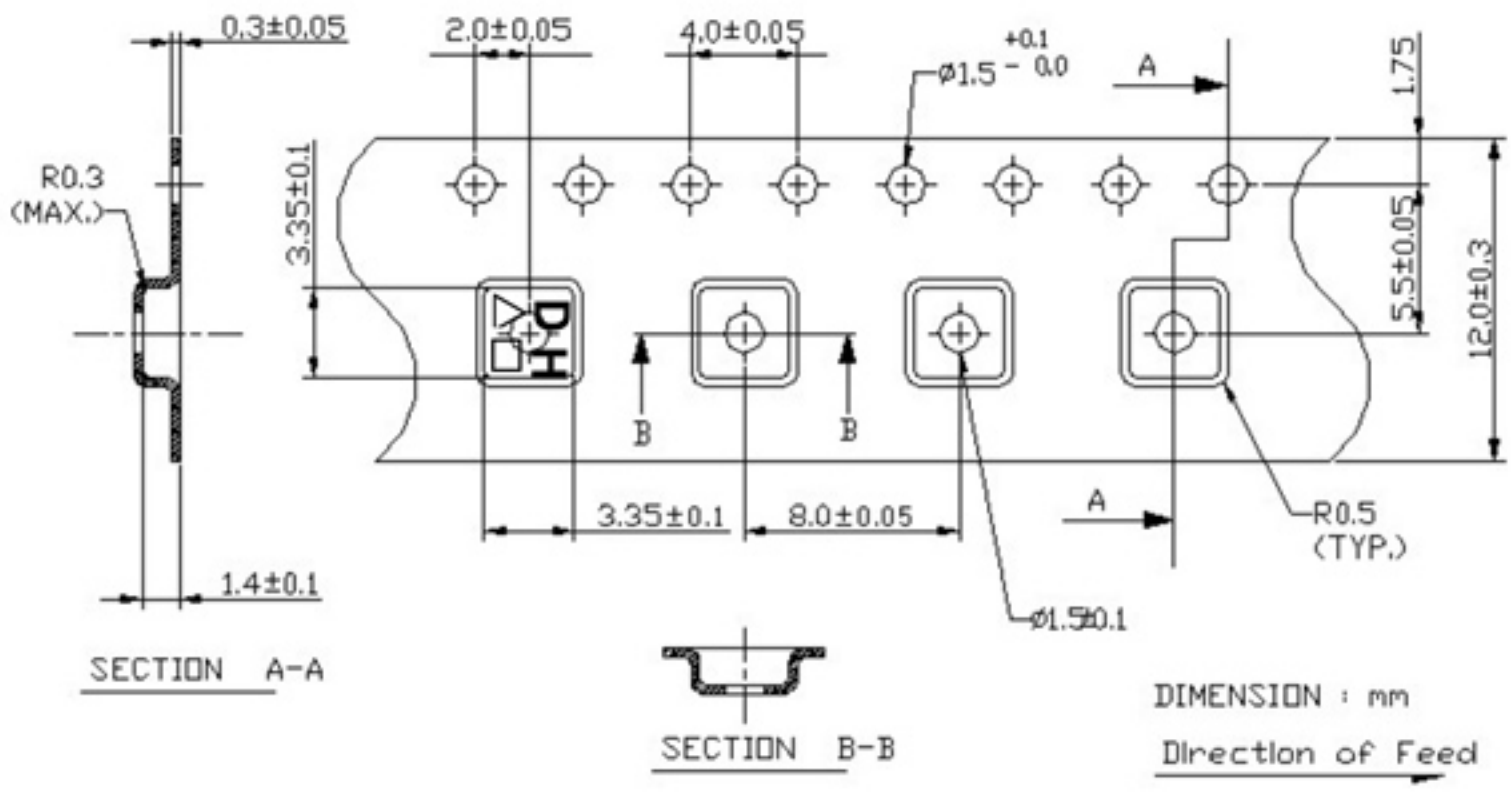
1. REEL DIMENSION

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



Unit: mm

2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.