

SAW Filter 345 MHz

MODEL NO.:TA2363A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3 V
3. Operating Temperature: -25 °C to +85 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitive Level (MSL): Level 1

RoHS Compliant
Lead free
Lead-free soldering

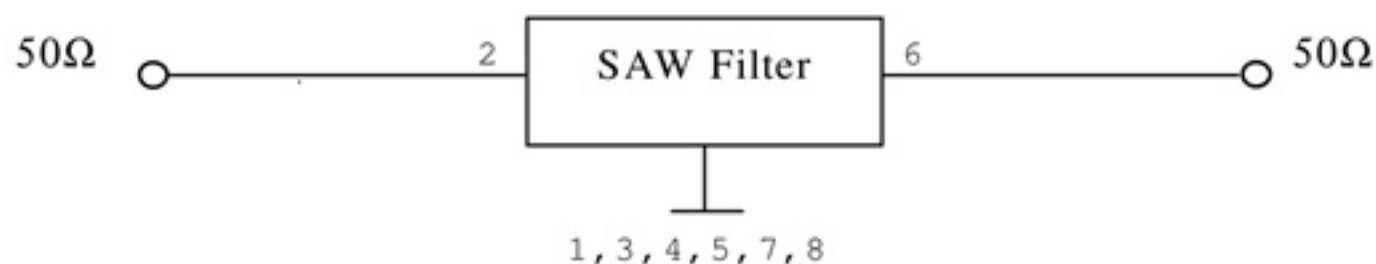
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

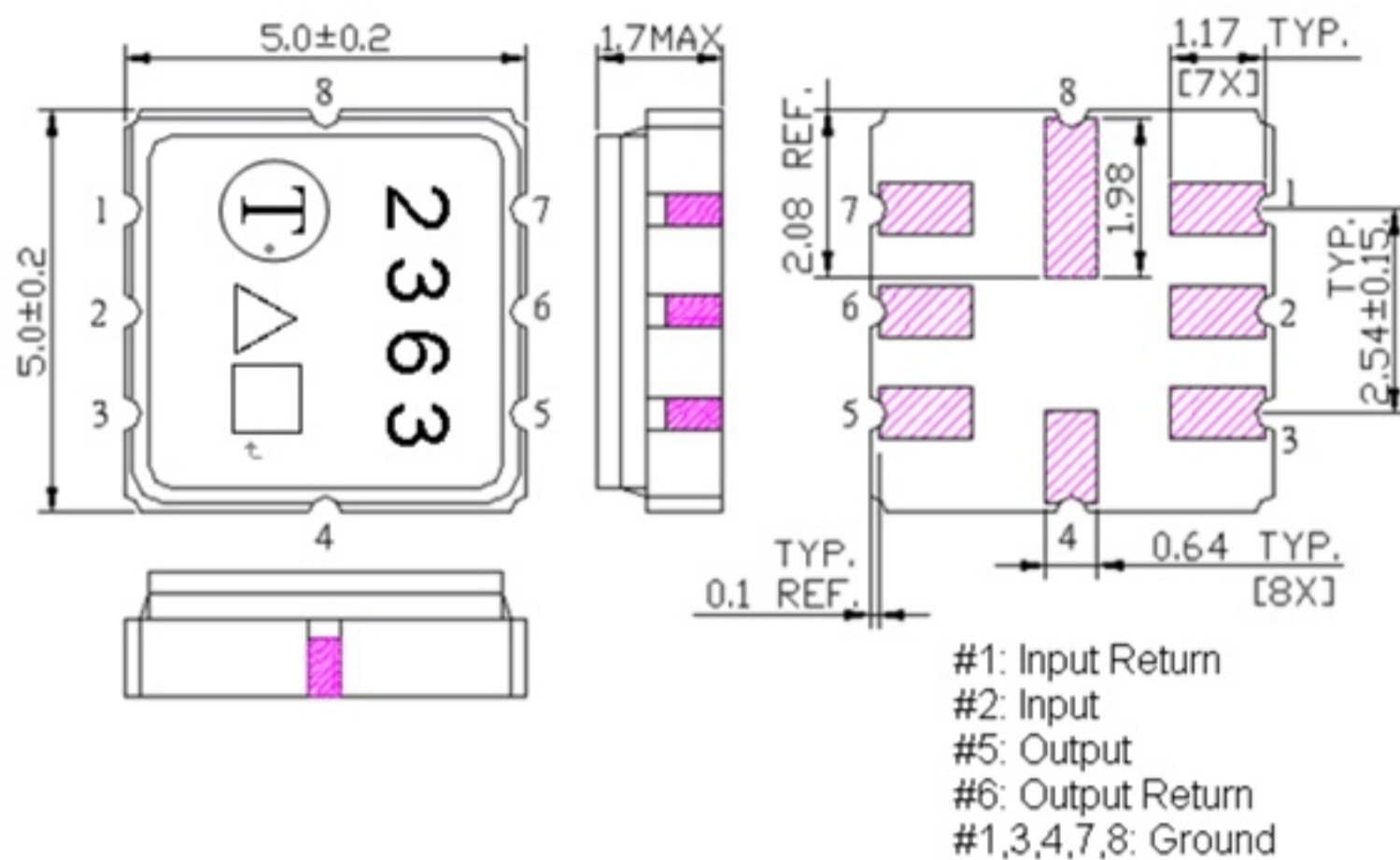
Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	345	-
Insertion Loss (344.6~345.4 MHz) IL	dB	-	2.3	3.3
Amplitude ripple (344.6~345.4 MHz)	dB	-	0.4	1.3
Attenuation (Reference level from 0)				
10 ~ 320 MHz	dB	50	60	-
320 ~ 325 MHz	dB	50	55	-
325 ~ 333.5 MHz	dB	35	40	-
333.5 ~ 335 MHz	dB	50	55	-
335 ~ 337 MHz	dB	40	45	-
354 ~ 362 MHz	dB	25	30	-
362 ~ 370 MHz	dB	38	42	-
370 ~ 700 MHz	dB	50	55	-
700 ~ 1000 MHz	dB	32	42	-
Temperature Coefficient of Frequency	Ppm/°C	-	-30	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



※ Note: Pins #1 through #7 - pads have the same dimensions.

#B : Input

#F : Output

Others : Ground

△ : Product / Year Code

□ : Week Code

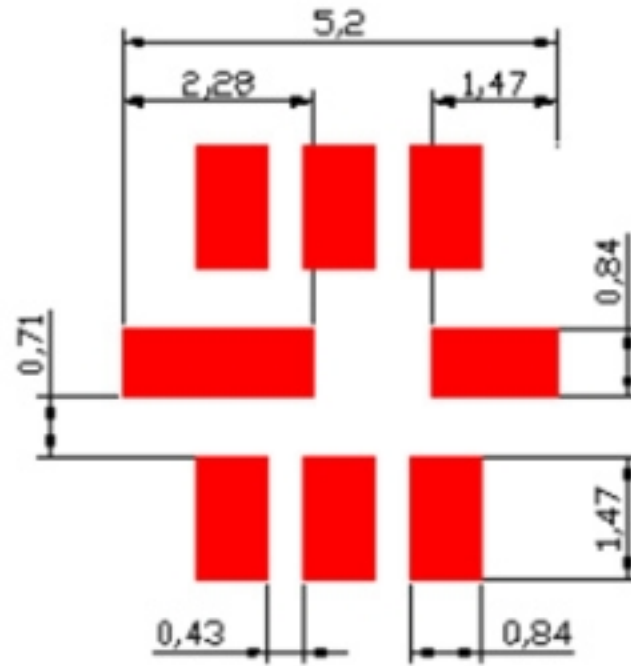
Unit : mm

Year	2013	2014	2015	2016
	2017	2018	2019	2020
	2021	2022	2023	2024
Year Code	A	a	<u>A</u>	<u>a</u>

Week Code Table

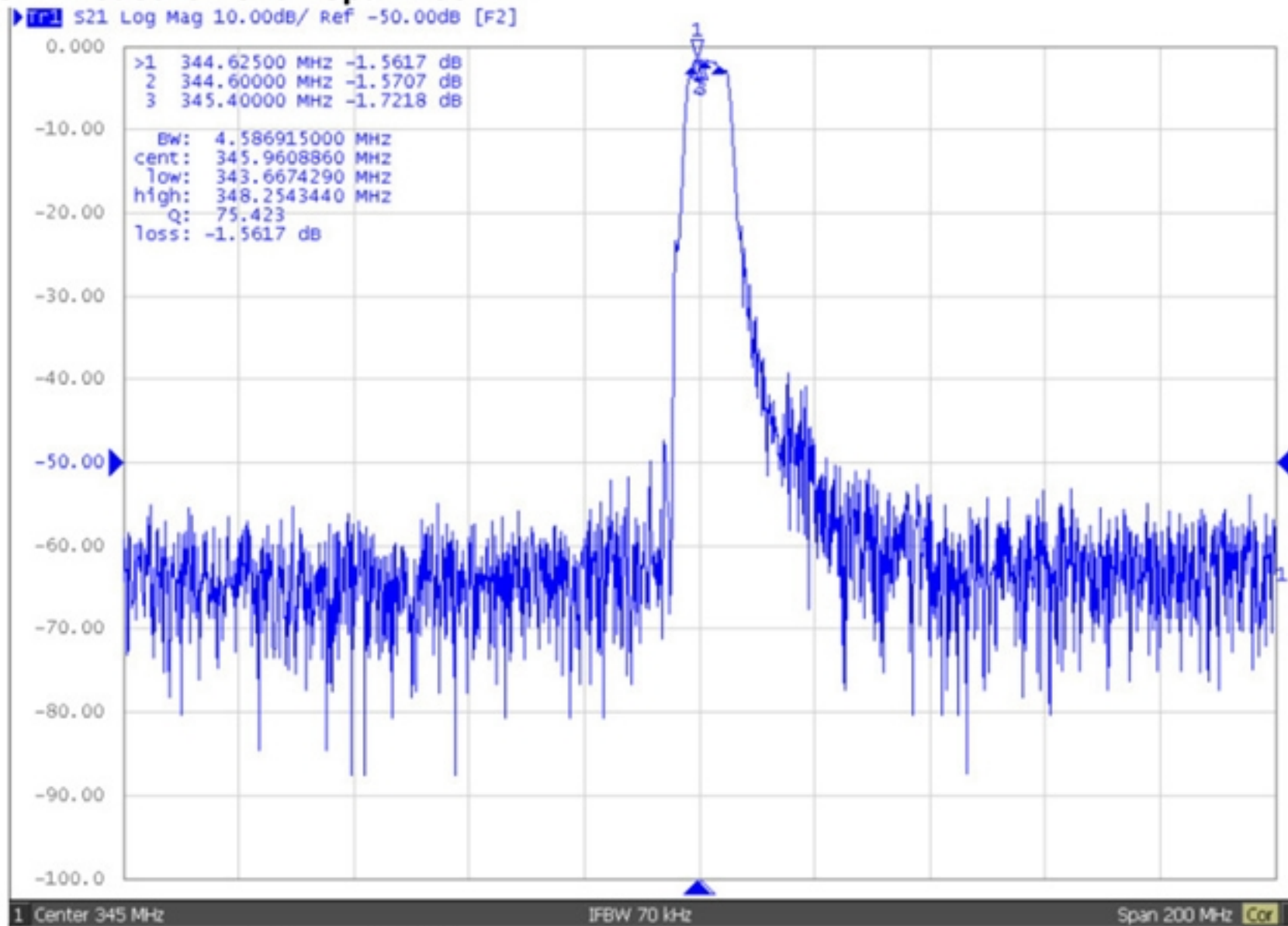
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

E. PCB Footprint:

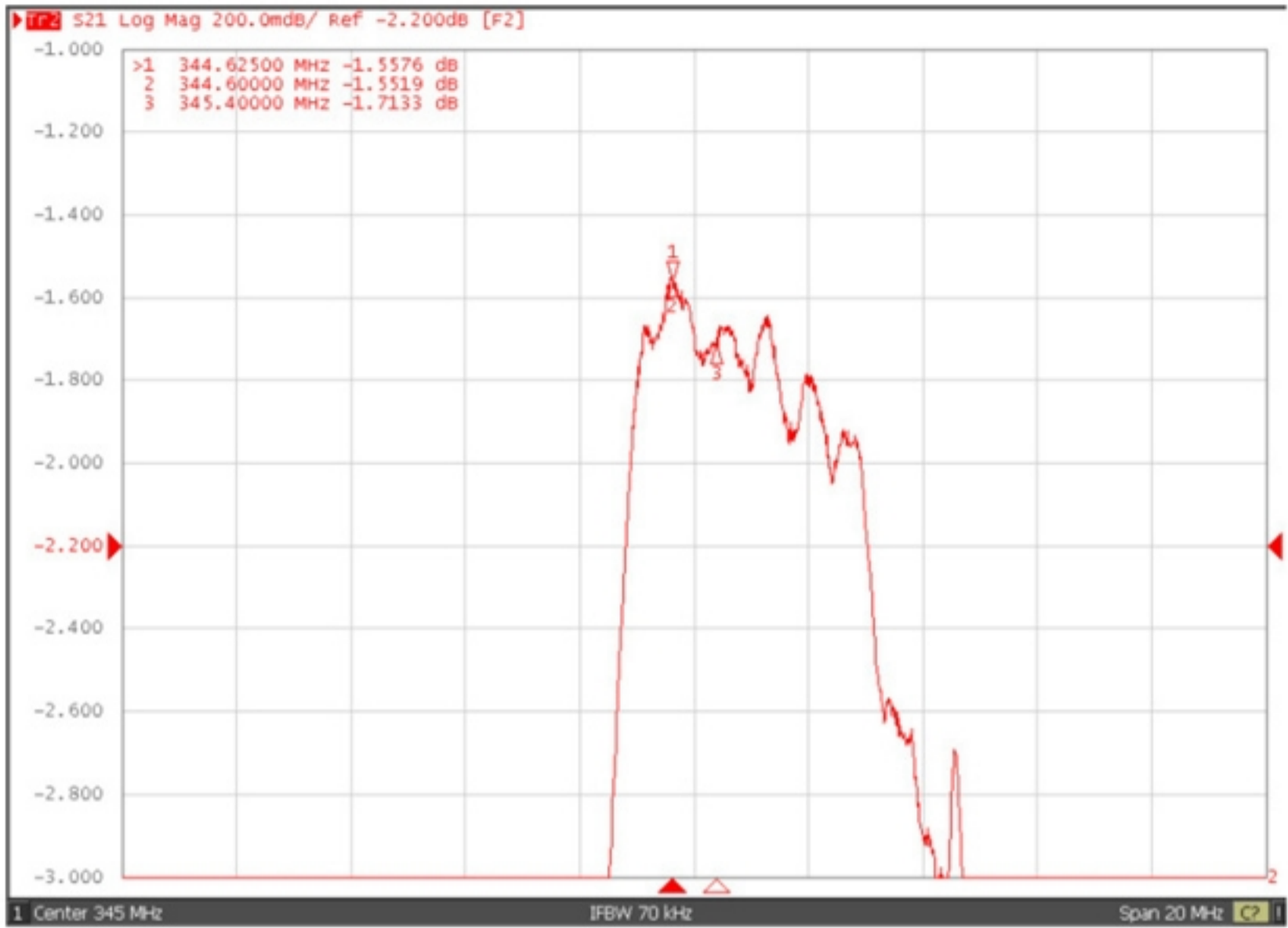


F. Frequency Characteristics:

1. S21 Measurement : Span 200MHz

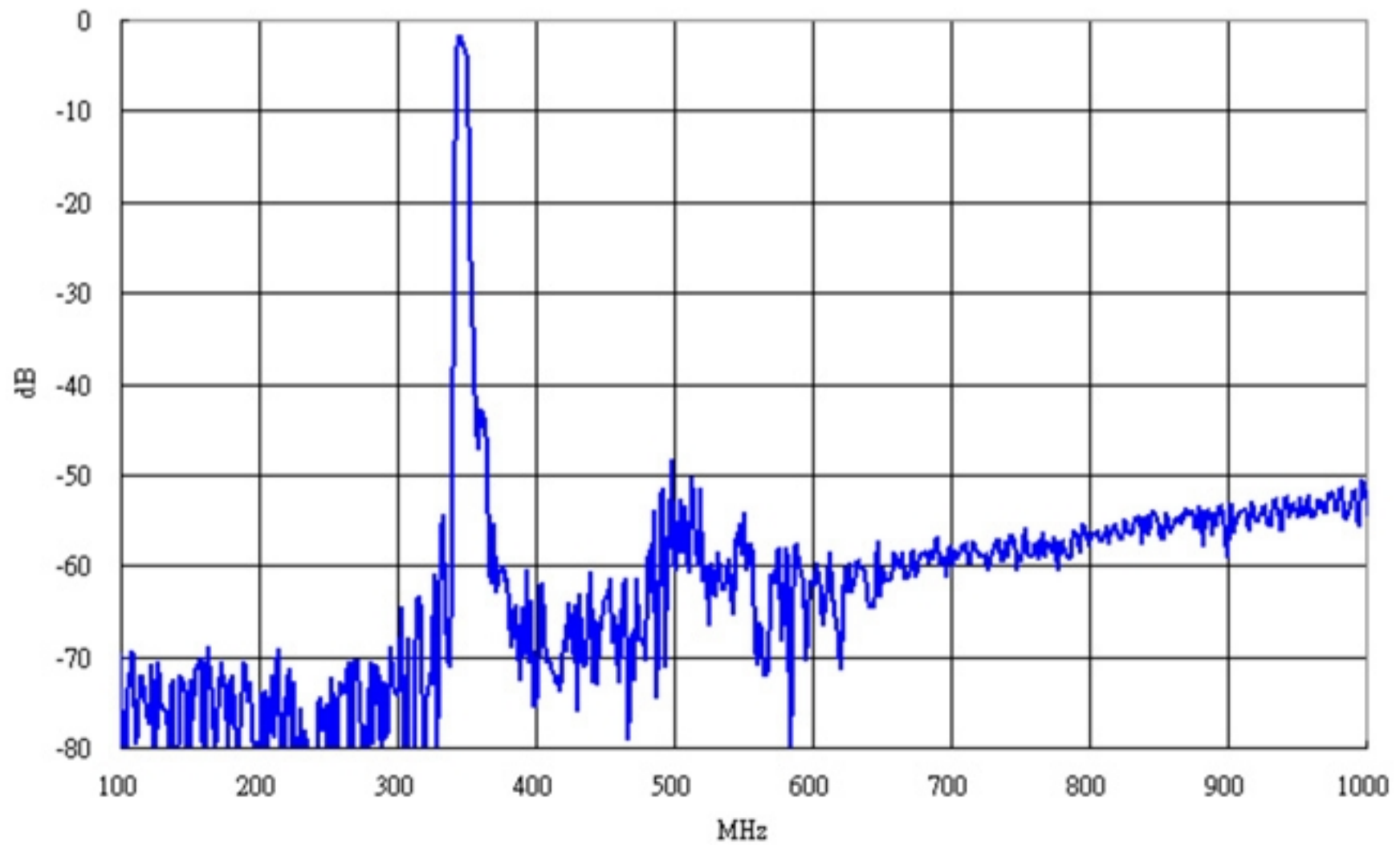


S21 Measurement : Span 20MHz



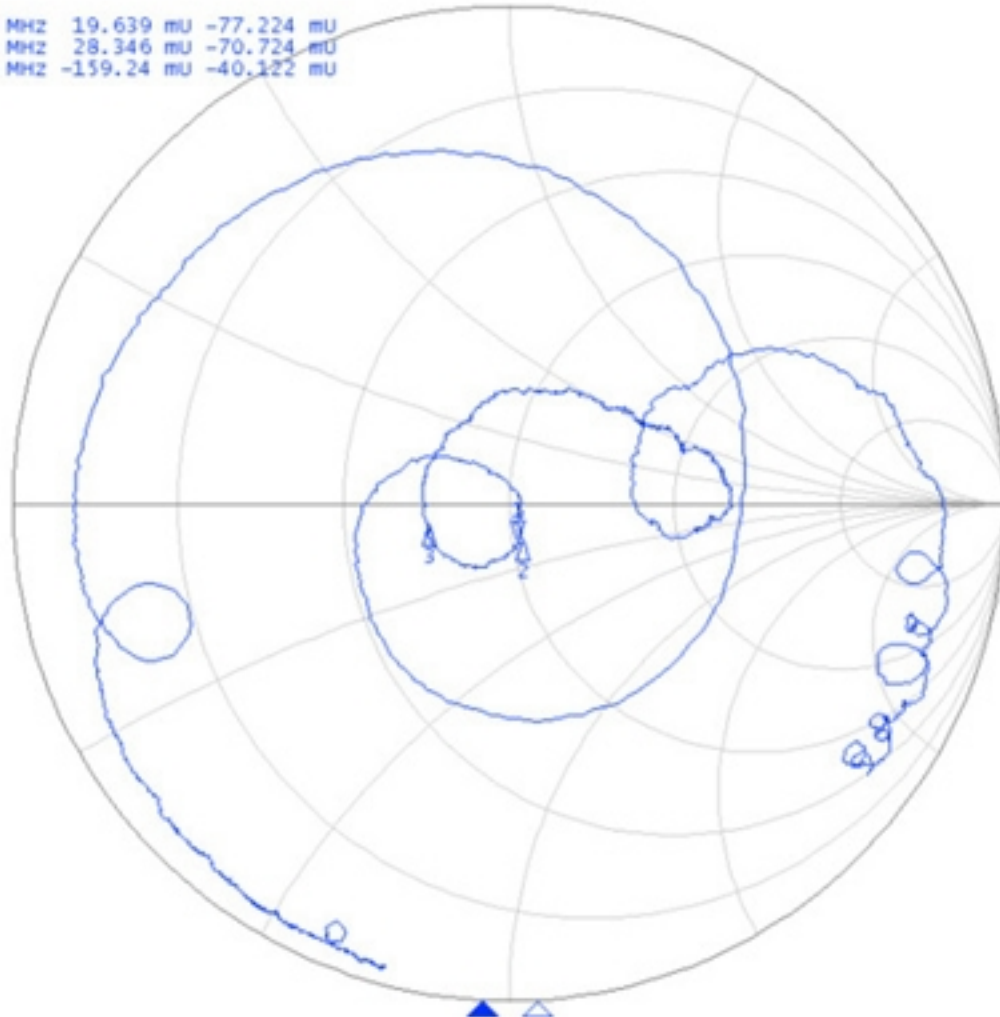
S21 Measurement : Span 1GHz

TA1418A



2 · S11/S22 Measurement :

>1 344.62500 MHz 19.639 mU -77.224 mU
>2 344.60000 MHz 28.346 mU -70.724 mU
>3 345.40000 MHz -159.24 mU -40.122 mU

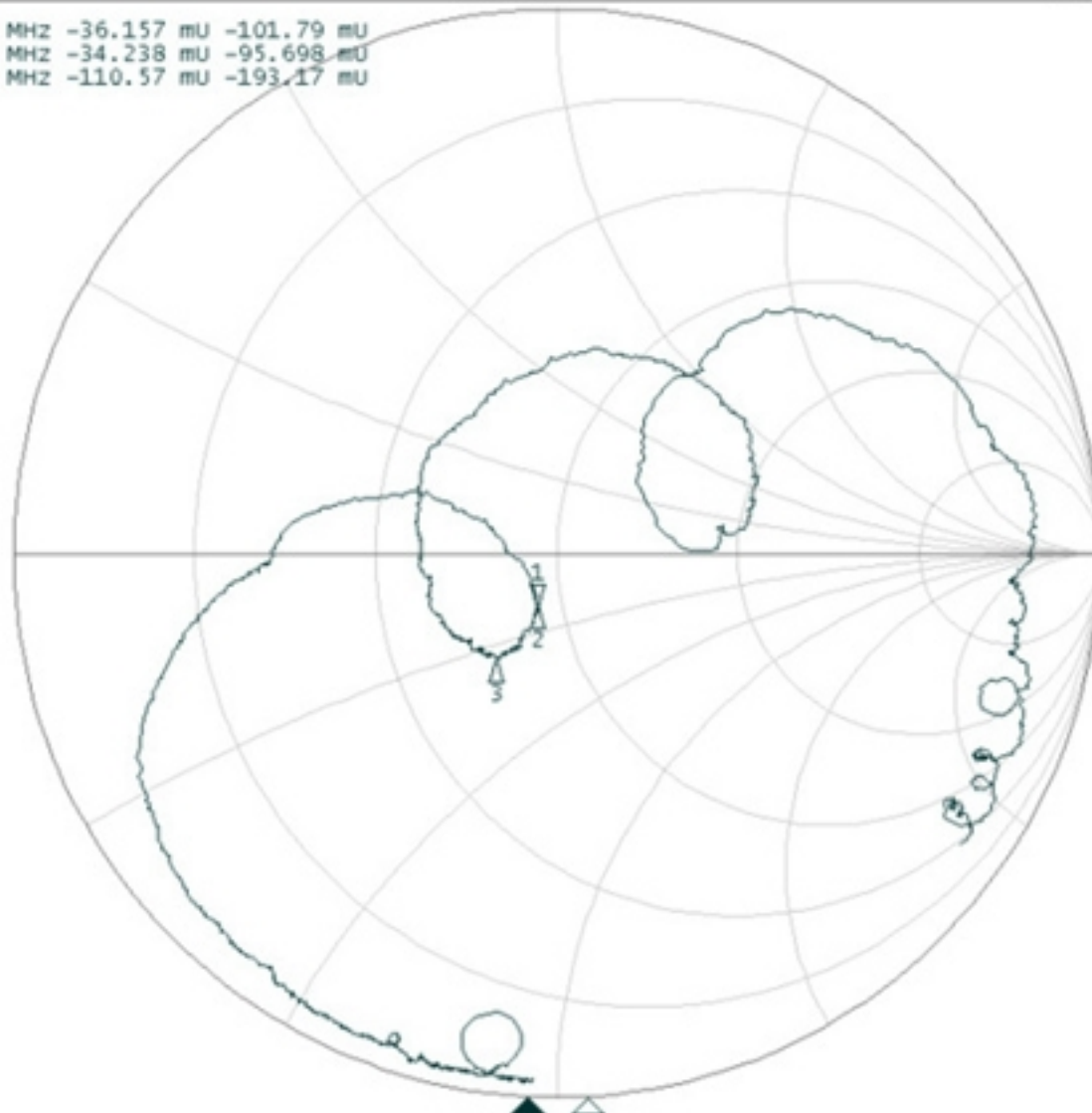


1 Center 345 MHz

IFBW 70 kHz

Span 20 MHz

>1 344.62500 MHz -36.157 mU -101.79 mU
>2 344.60000 MHz -34.238 mU -95.698 mU
>3 345.40000 MHz -110.57 mU -193.17 mU



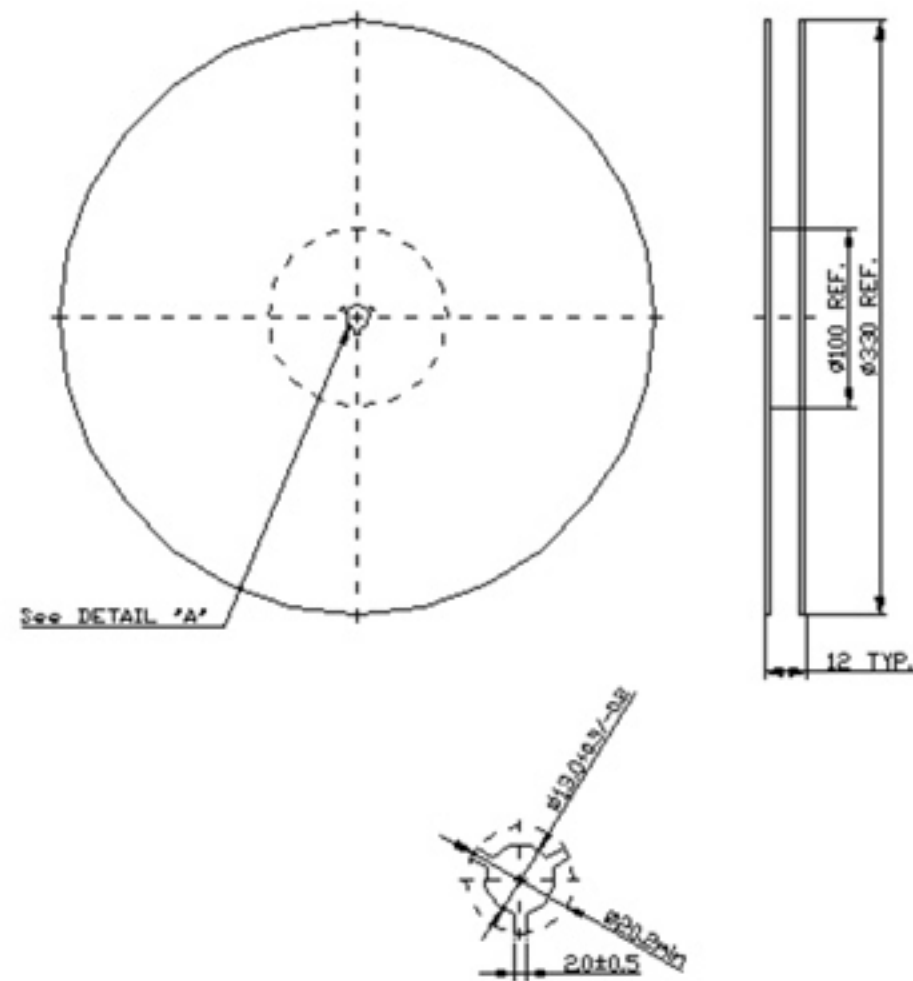
1 Center 345 MHz

IFBW 70 kHz

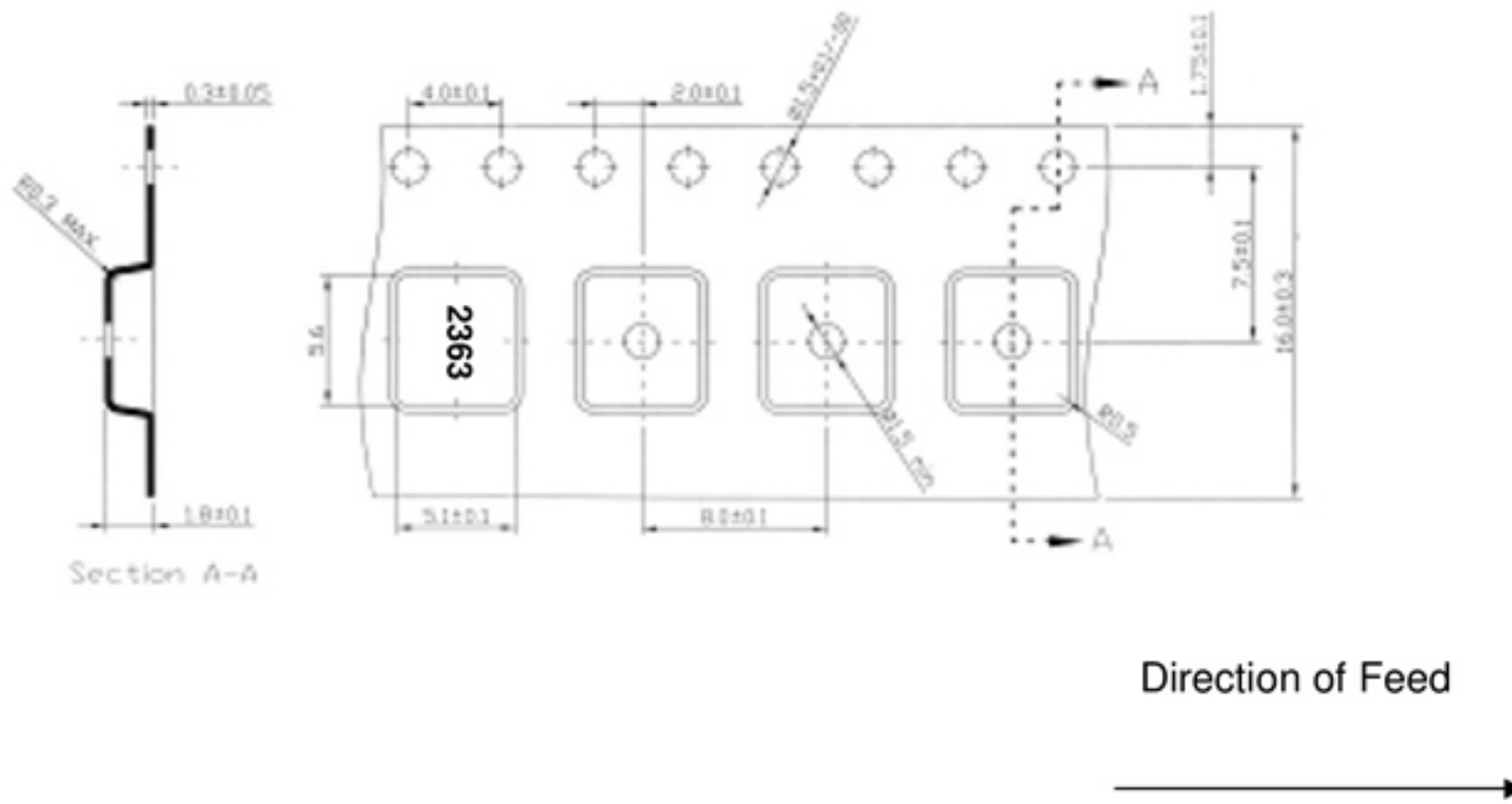
Span 20 MHz

G. PACKING:

1. REEL DIMENSION



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.

