

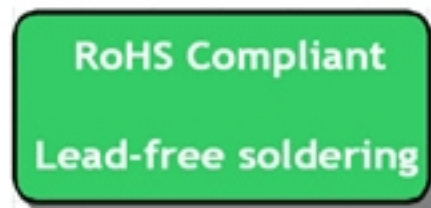
SAW Filter 505 MHz (BW 10MHz) SMD 3.8X3.8 mm

MODEL NO.:TA2048A

REV. NO.:1.0

A. MAXIMUM RATING:

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



Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

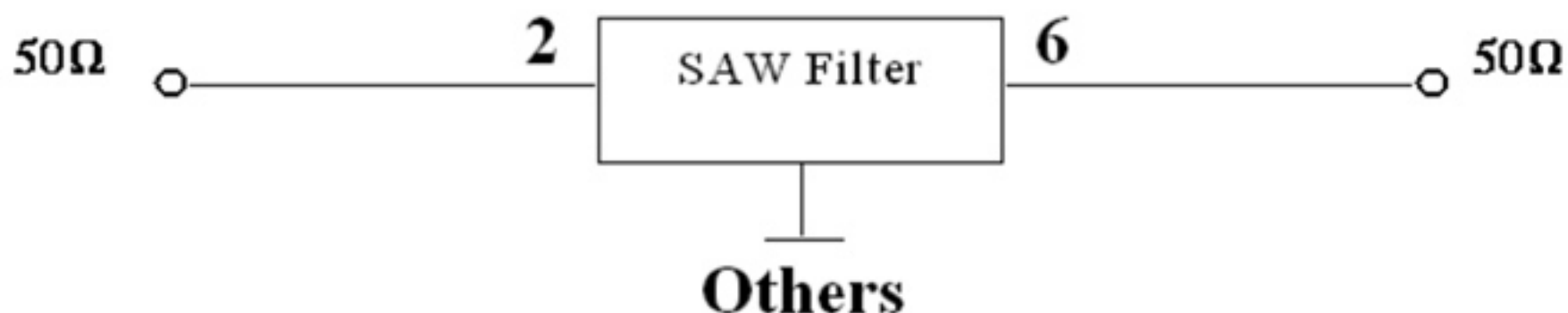
Terminating source impedance (single) : $Z_s = 50 \Omega$

Terminating load impedance(single) : $Z_L = 50 \Omega$

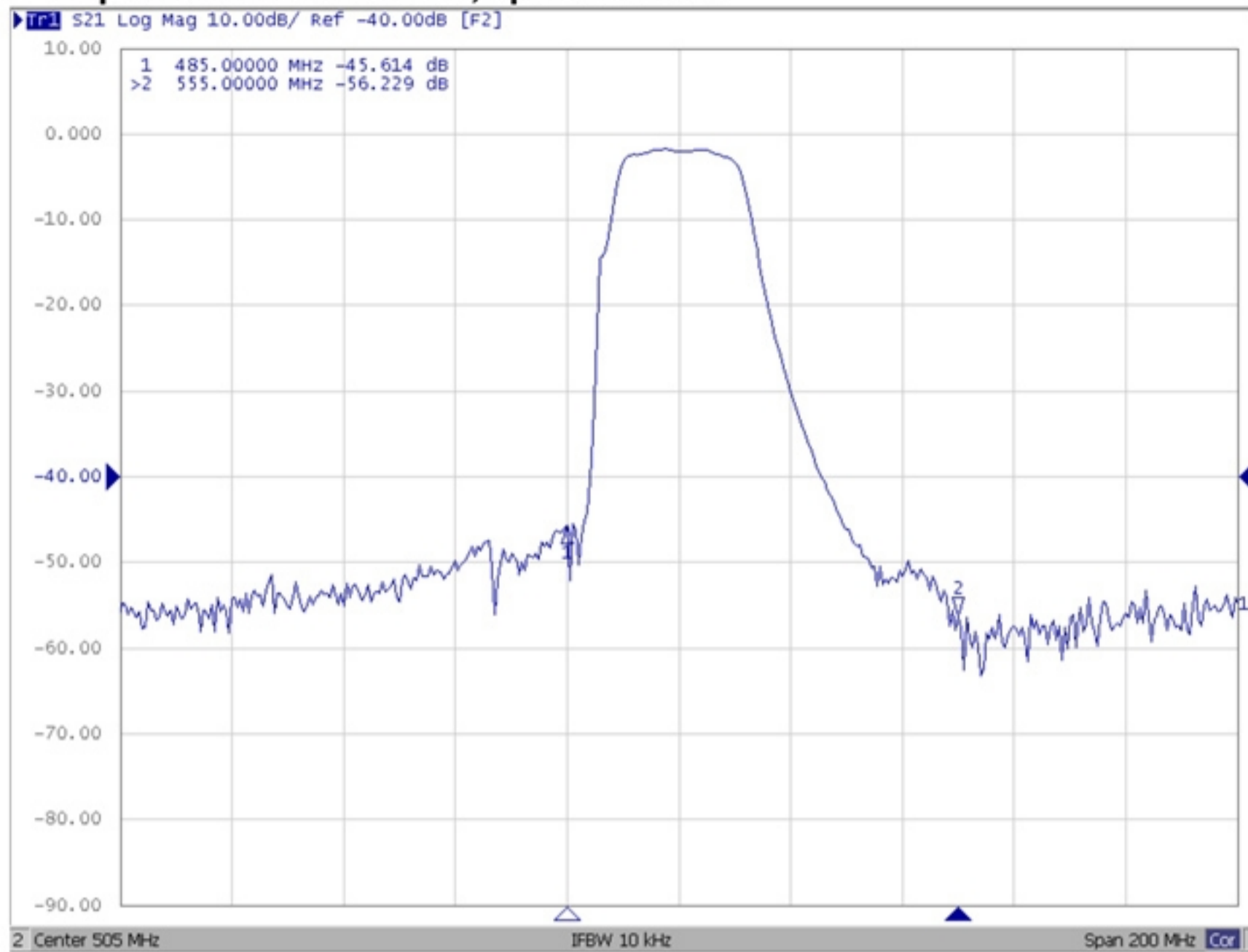
Item	Unit	Min	Type.	Max
Center frequency	MHz	-	505	-
Insertion Loss (500 ~ 510 MHz)	dB	-	2.2	3.2
Amplitude Ripple (500 ~ 510 MHz)	dB	-	0.8	1.5
Attenuation (Reference level from 0 dB)				
10 ~ 485 MHz	dB	40	45	-
555 ~ 800 MHz	dB	45	50	-

C. TEST CIRCUIT:

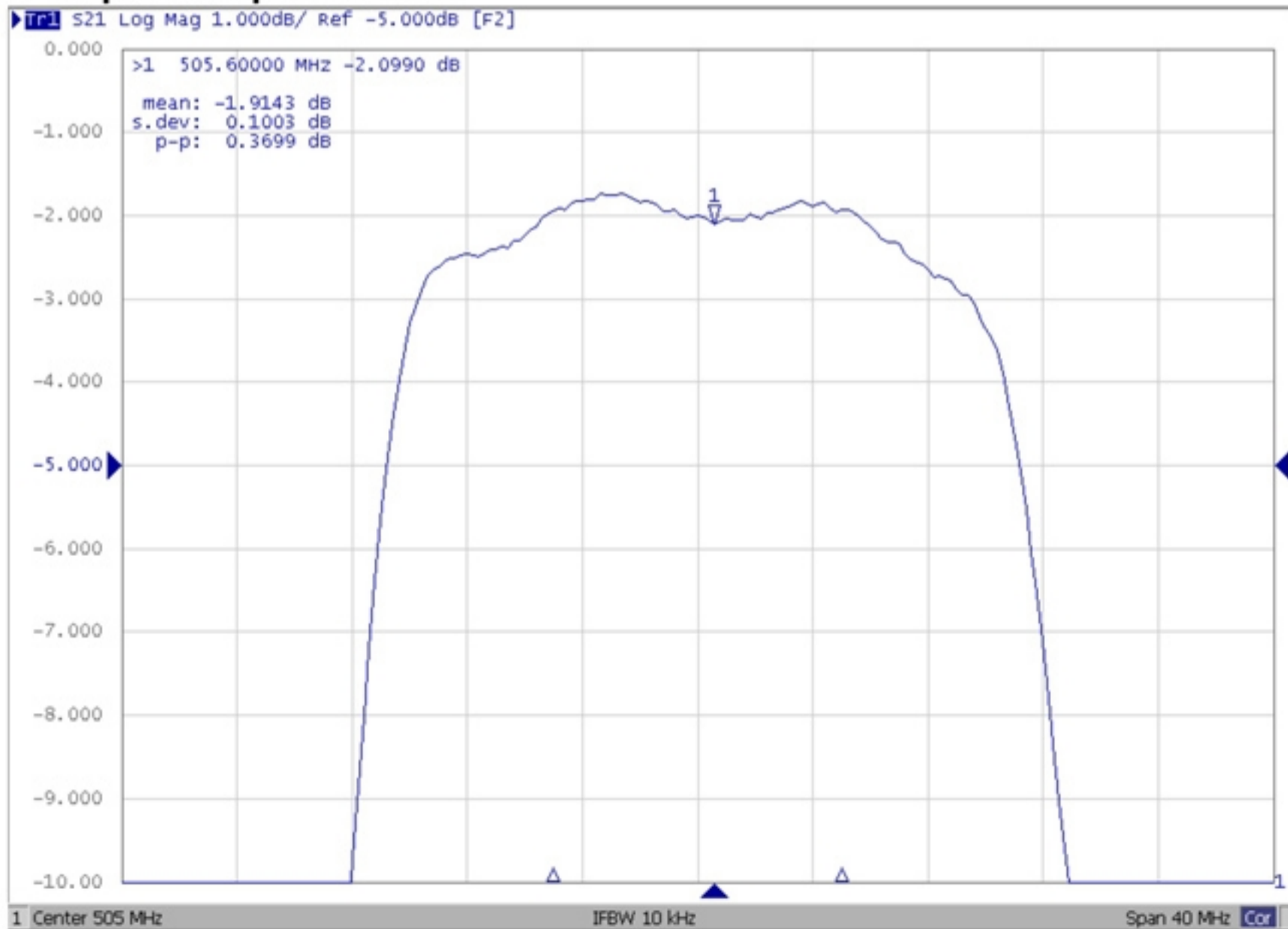
HP Network analyzer



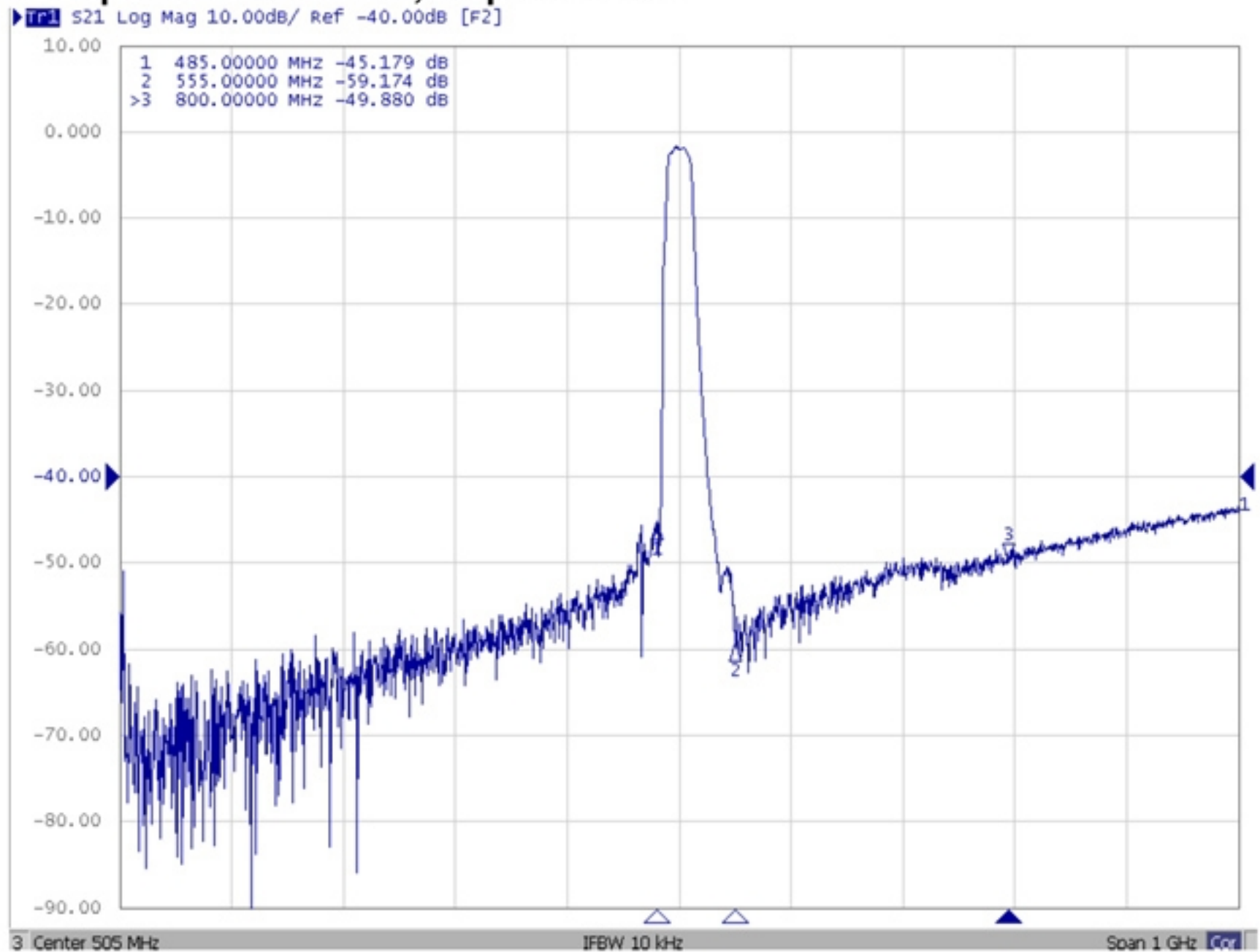
D. Frequency Characteristics: S21 response: center 505MHz, span 200 MHz



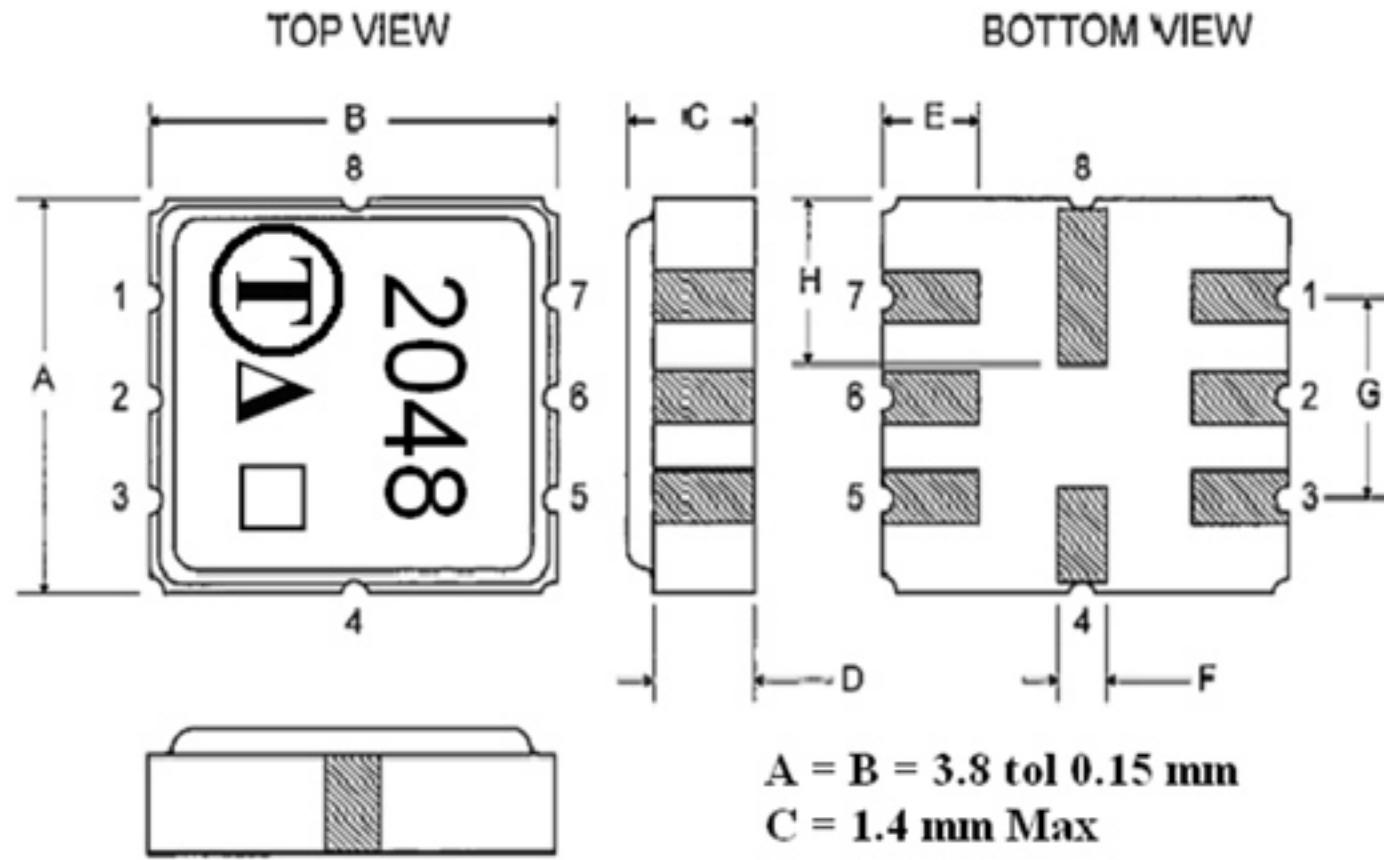
S21 response: span 40 MHz



S21 response: start 0 MHz, stop 1000 MHz



E.OUTLINE DRAWING:



- 2: Input**
- 6: Output**
- Others: Ground**
- Unit: mm**
- △: Year Code**
- : Date Code**

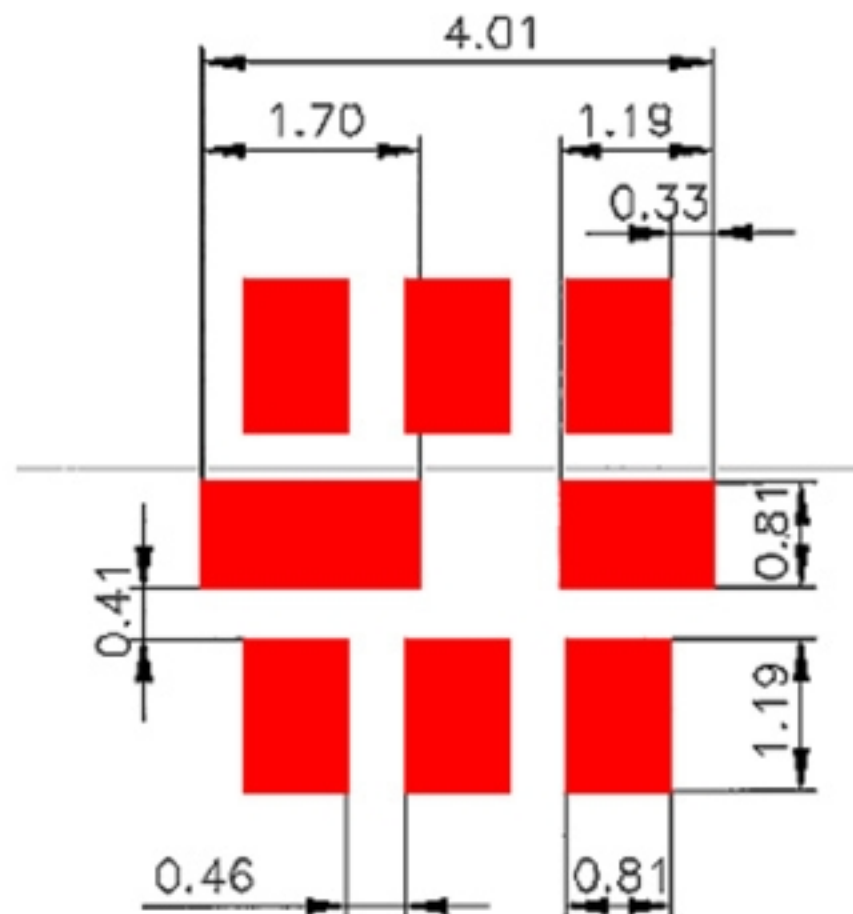
Product Year Code

Year	2009	2010	2011	2012
	2013	2014	2015	2016
Product Code	A	a	A	a

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

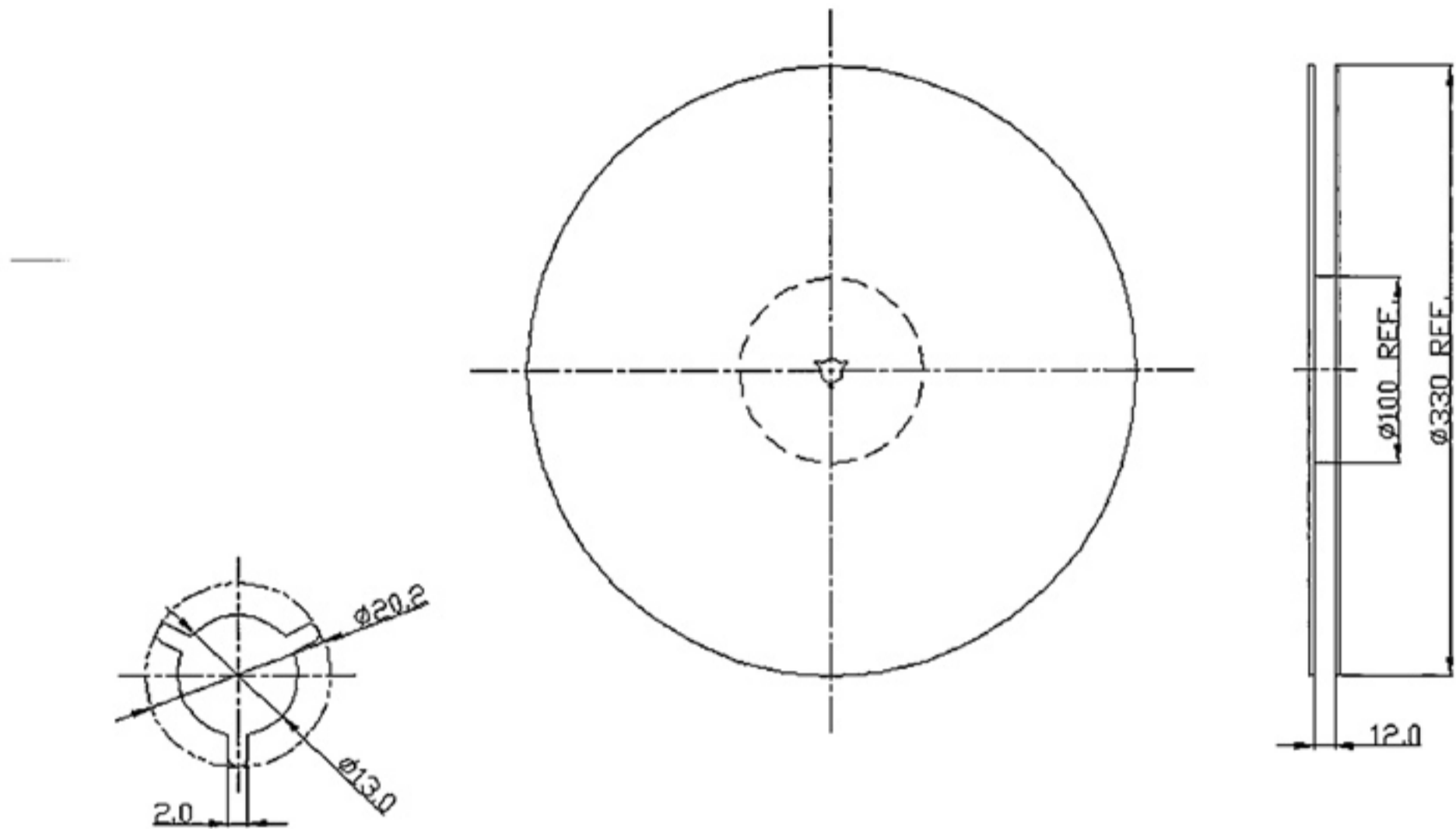
F. PCB FOOTPRINT:



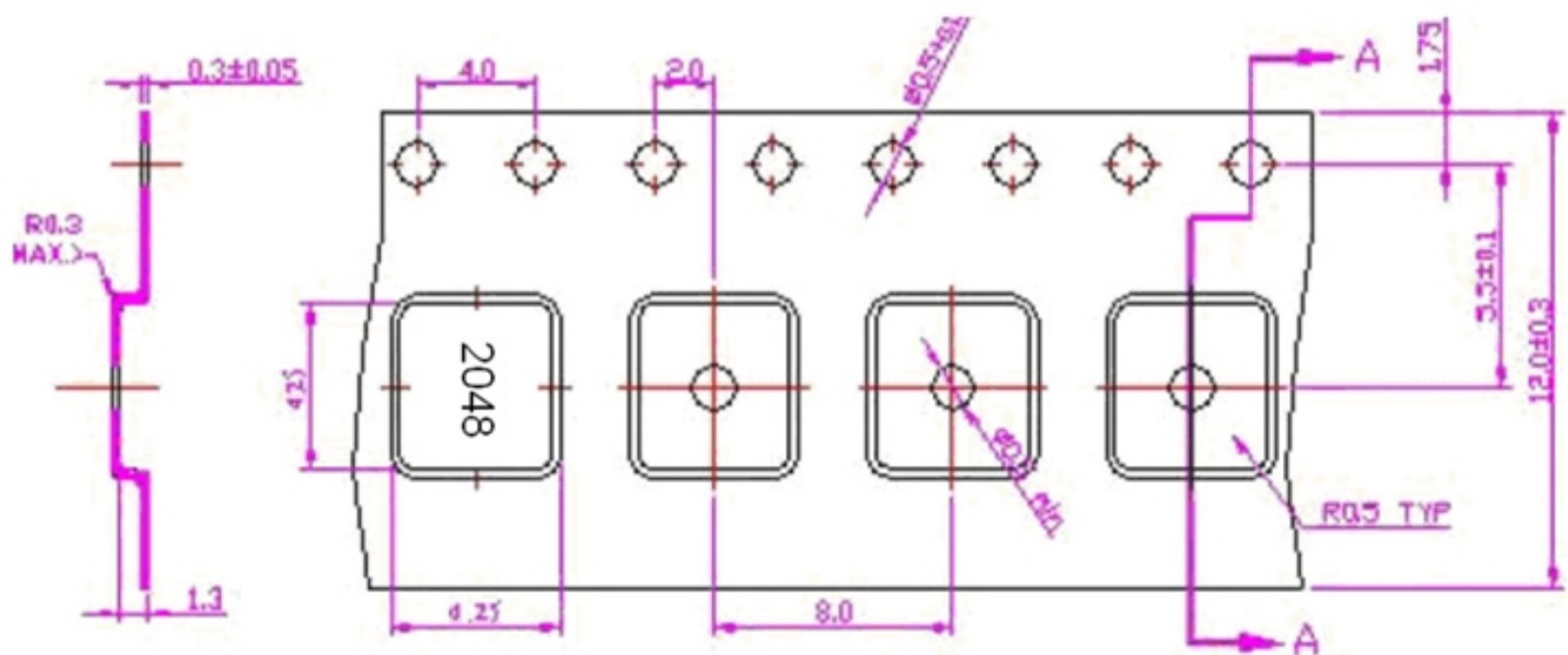
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



Section A-A

Direction of Feed



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at $150\sim 180^{\circ}\text{C}$ 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 $260^{\circ}\text{C} +0/-5^{\circ}\text{C}$ peak (20~40sec).
4. Time: 2 times.

