

SAW Filter 1268MHz BW 20MHz SMD 3.0x3.0mm

MODEL NO.:TA1667A

REV. NO.:2.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40 °C to +85 °C
4. Storage Temperature: -50 °C to +95 °C
5. Moisture Sensitivity Level: Level 1(MSL1)



Electrostatic Sensitive Device

B. ELECTRICAL CHARACTERISTICS:

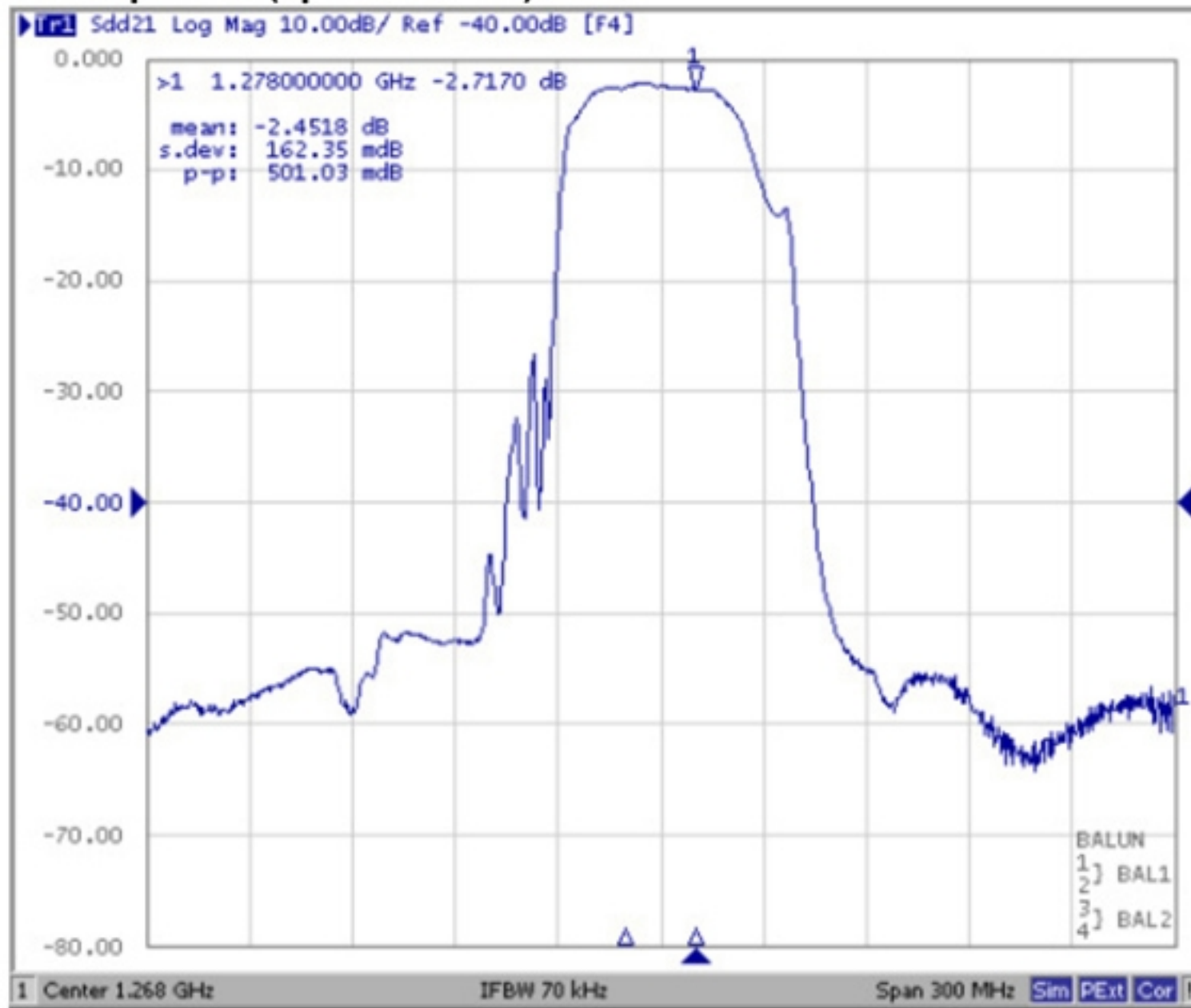
Terminating source impedance : $Z_s = \text{balanced } 200 \Omega // 30\text{nH}$

Terminating load impedance : $Z_L = \text{balanced } 200 \Omega // 30\text{nH}$

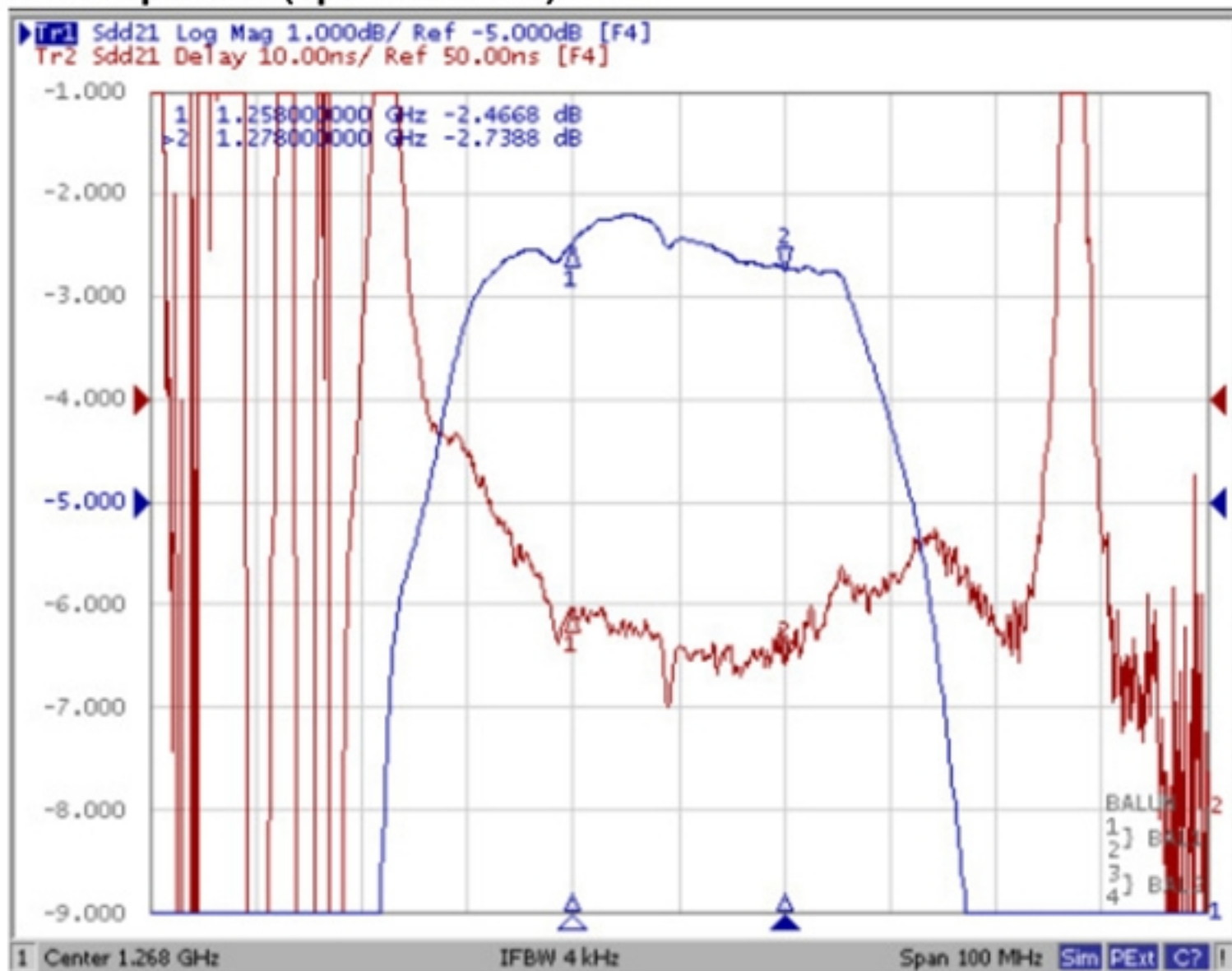
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1268	-	-
Bandwidth at -3dB (1258~1278 MHz)	MHz	-	49	-	-
Insertion Loss (1258~1278 MHz) IL	dB	-	2.7	4.0	-
Amplitude ripple (1258~1278 MHz)	dB	-	0.5	2.0	-
Group delay ripple (1258~1278 MHz) GD	ns	-	8.5	15	-
I/O return loss (1258~1278 MHz)	dB	8.0	10.0	-	-
Attenuation					
10 ~ 970 MHz	dB	44	55	-	-
1420 ~ 2000 MHz	dB	44	53	-	-
2000 ~ 3000 MHz	dB	38	51	-	-
Package size	mm	SMD 3.0x3.0			

C. FREQUENCY CHARACTERISTICS:

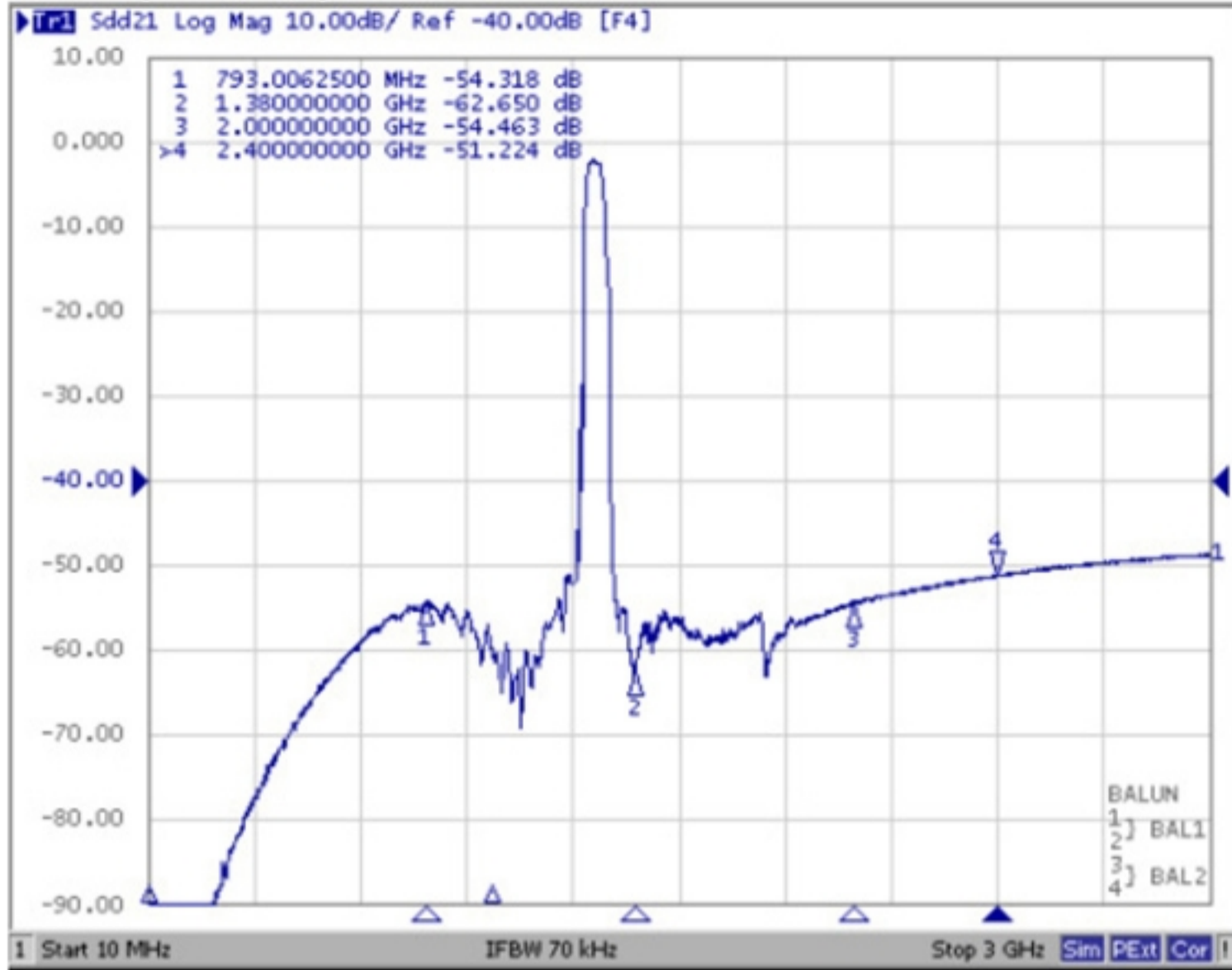
Sdd21 response: (span 300MHz)



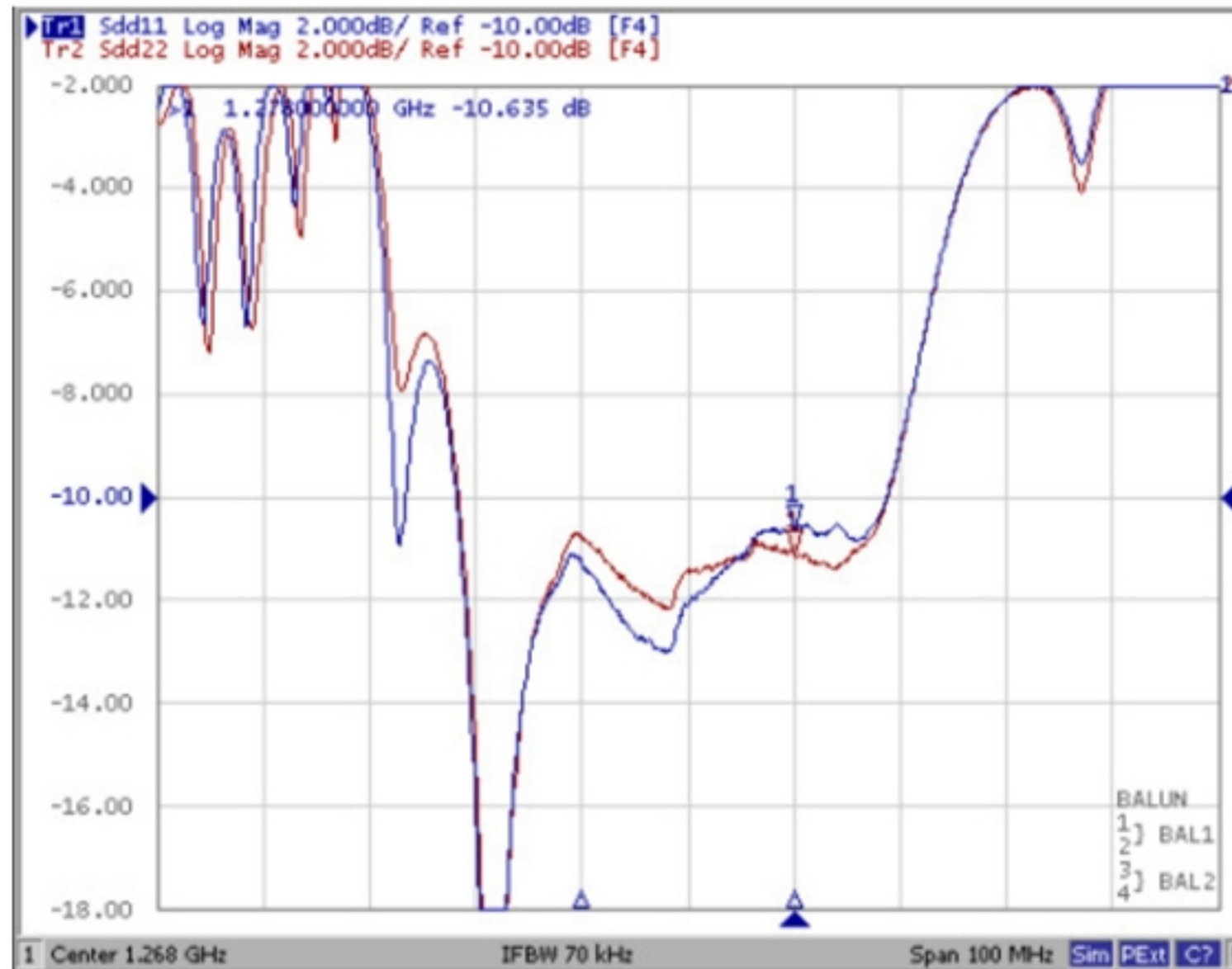
Sdd21 response: (span 100MHz)



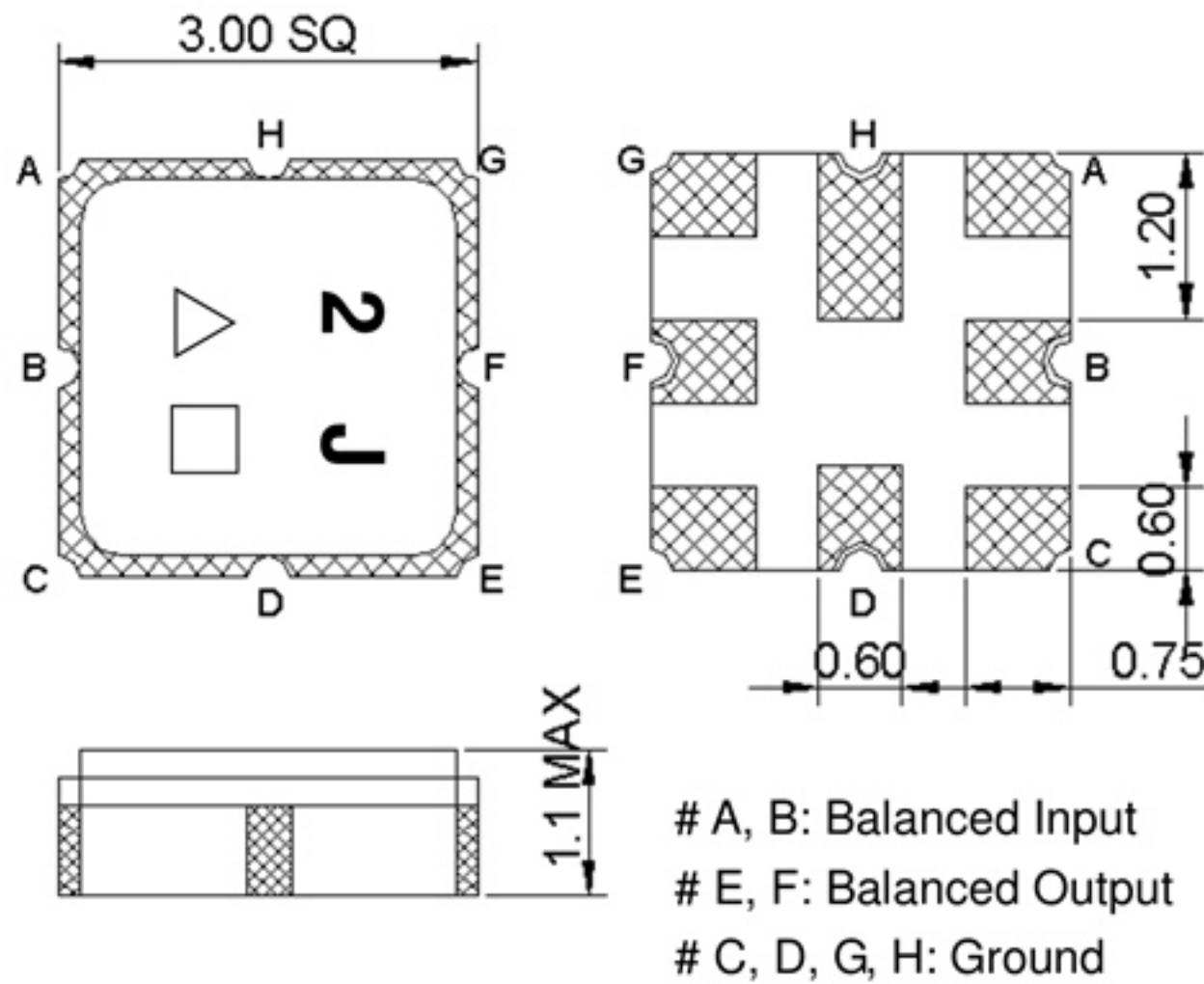
Sdd21 response: (span 3000MHz)



S11&Sdd22 Return loss: (span 100MHz)



D.OUTLINE DRAWING:



△:Year code

□: Date code (Follow the table provided by planner each year.)

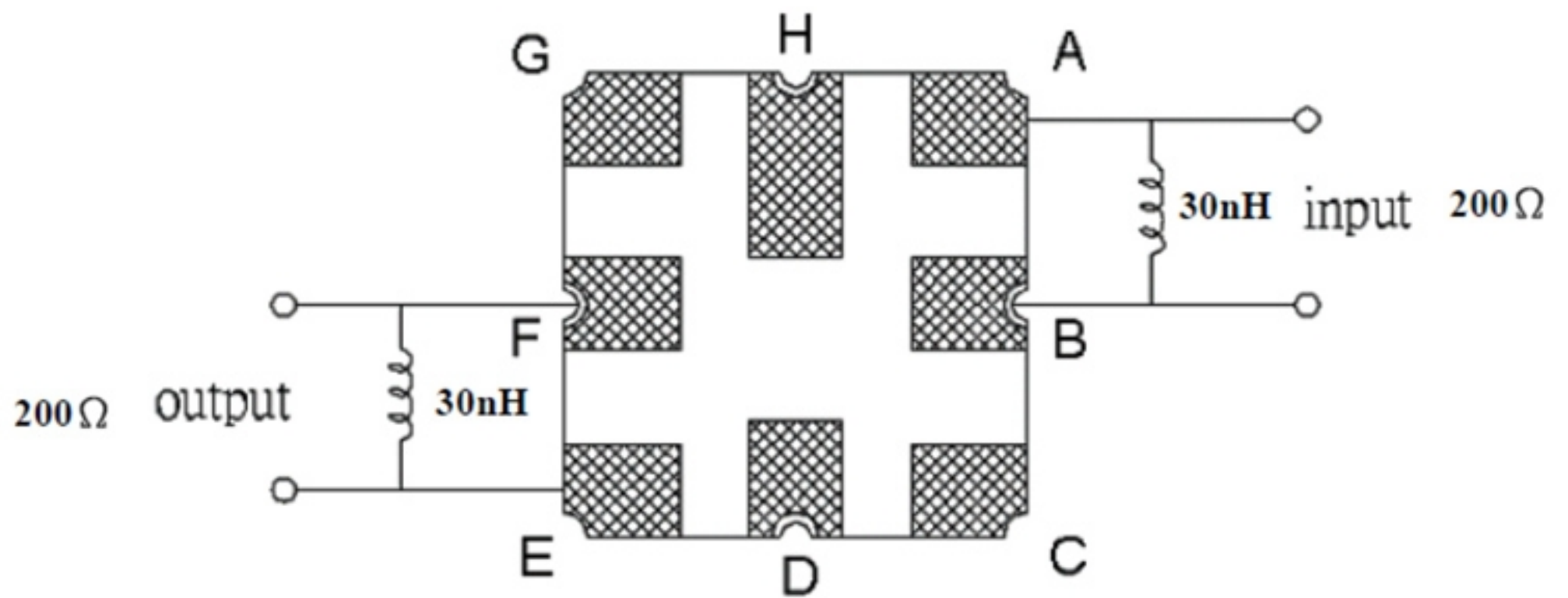
Product / Year Code- 2year cycle

Year	2017	2018
	2019	2020
	2021	2022
	2023	2024
Product Code	A	a

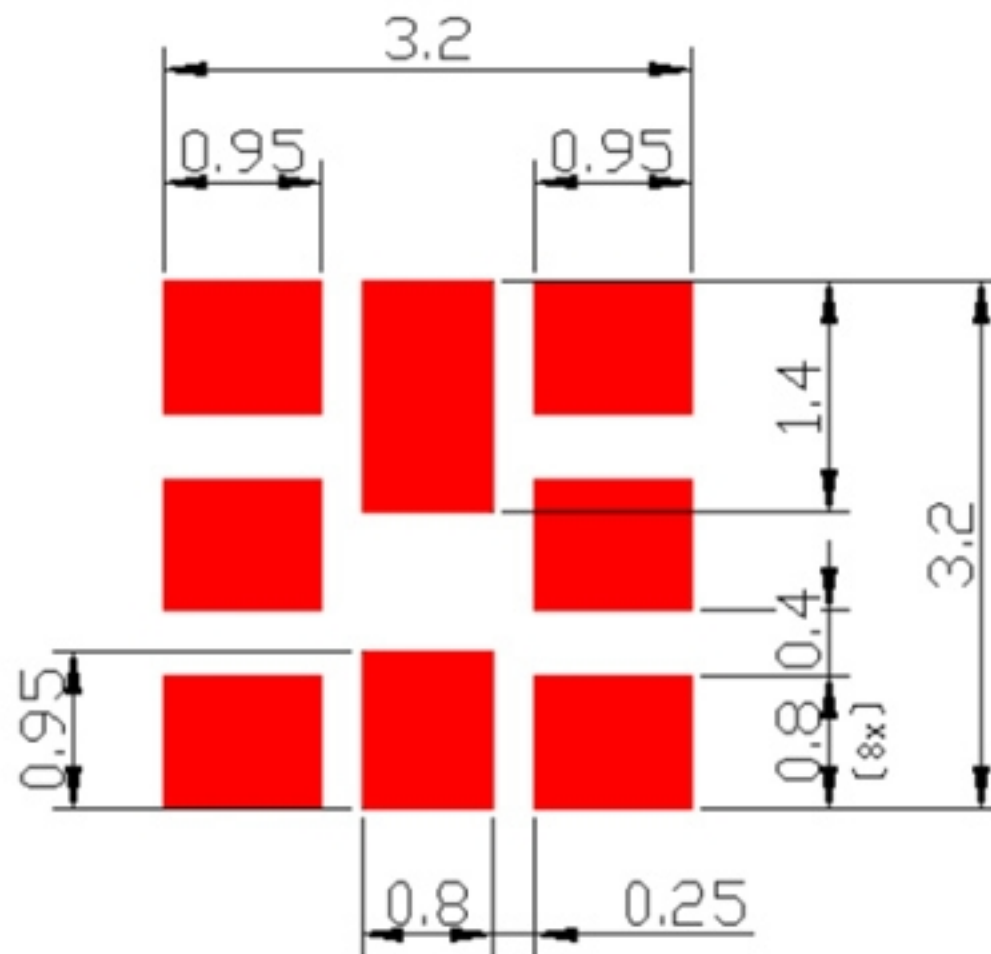
Week Code Table

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. MEASUREMENT CIRCUIT:



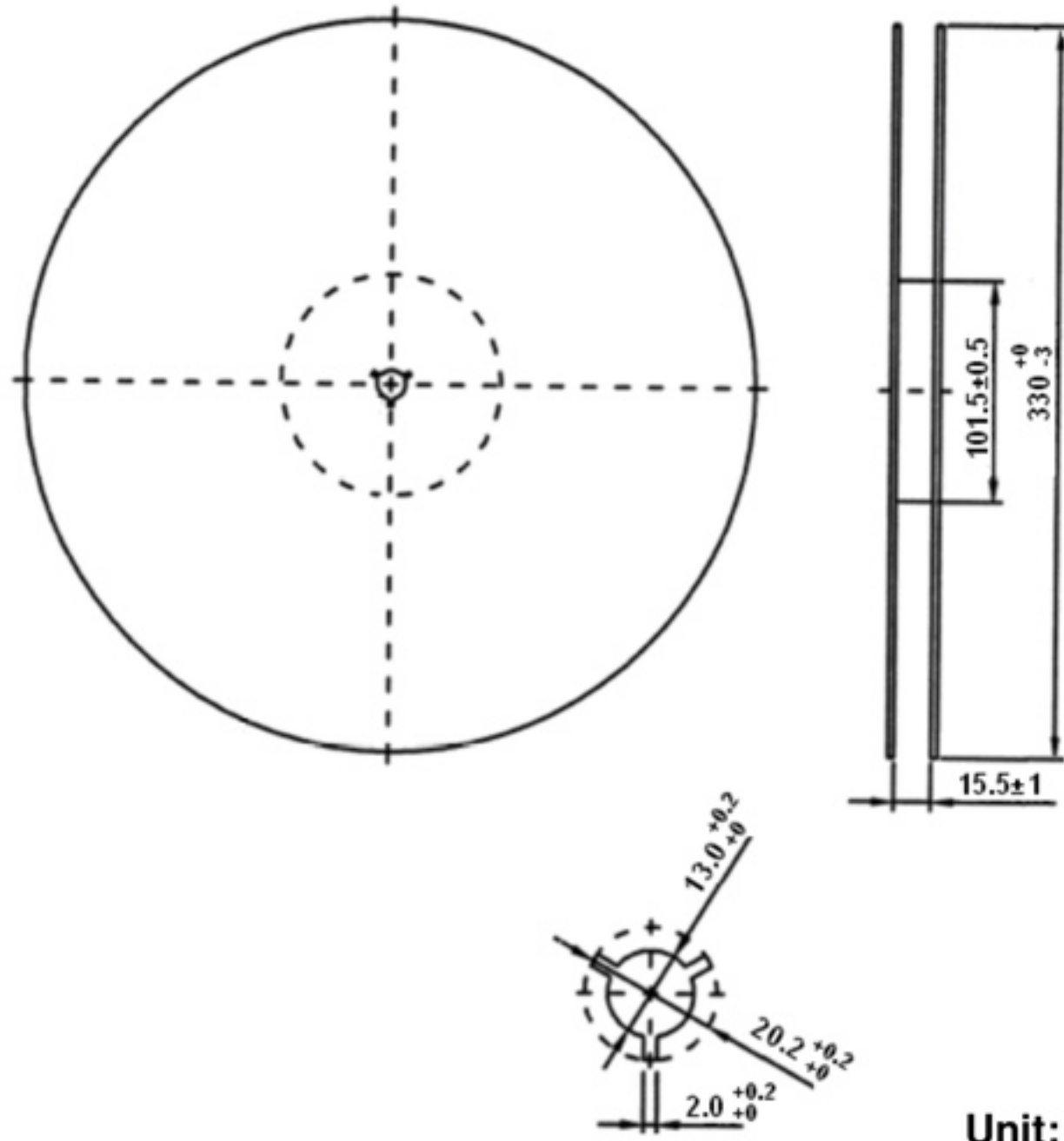
F. PCB Footprint:



G. PACKING:

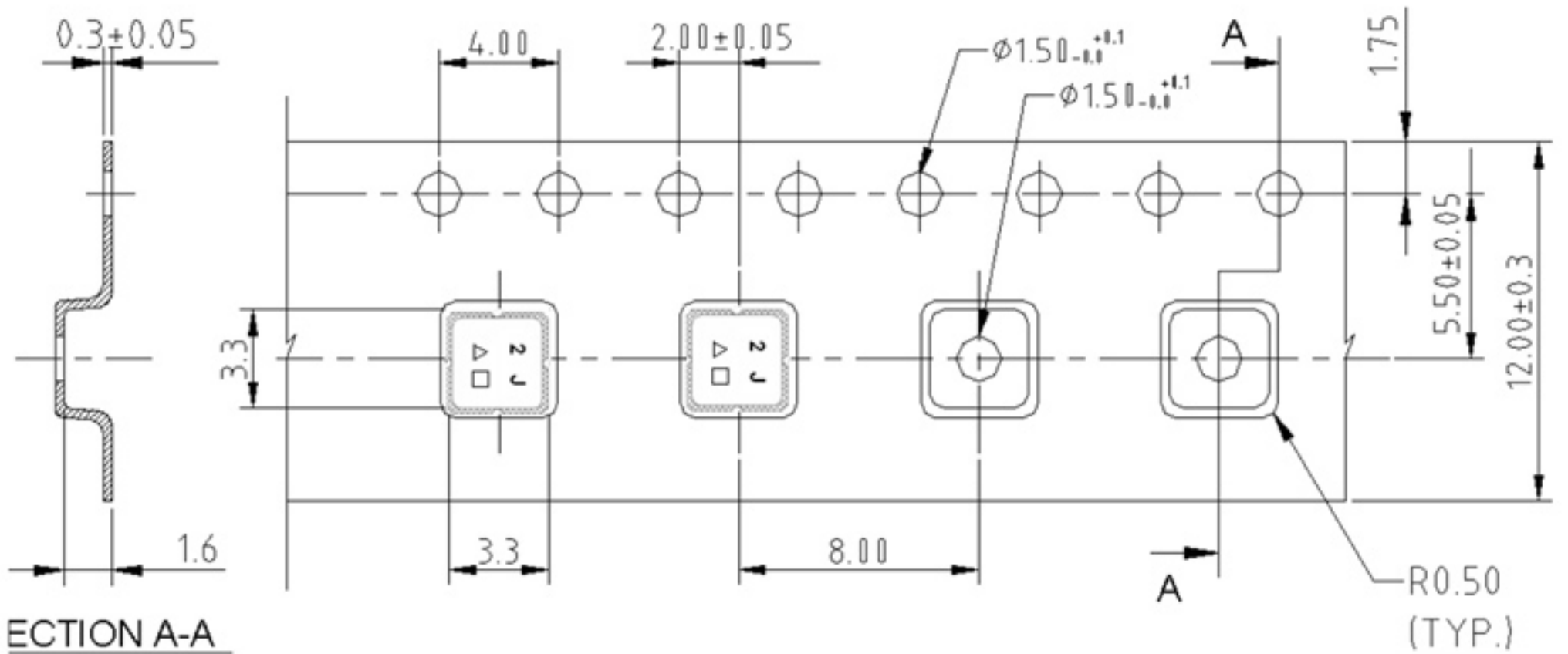
1. REEL DIMENSION

(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°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.

