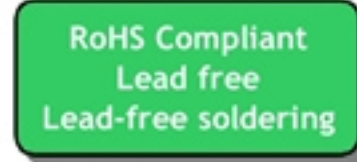


A. MAXIMUM RATING:

1. Operating temperature range: -40°C to 105°C
2. Storage temperature range: -40°C to 105°C
3. Input Power Level : 15dBm
4. Maximum DC Voltage : 3V
5. Moisture Sensitivity Level: MSL1



Electrostatic Sensitive Device

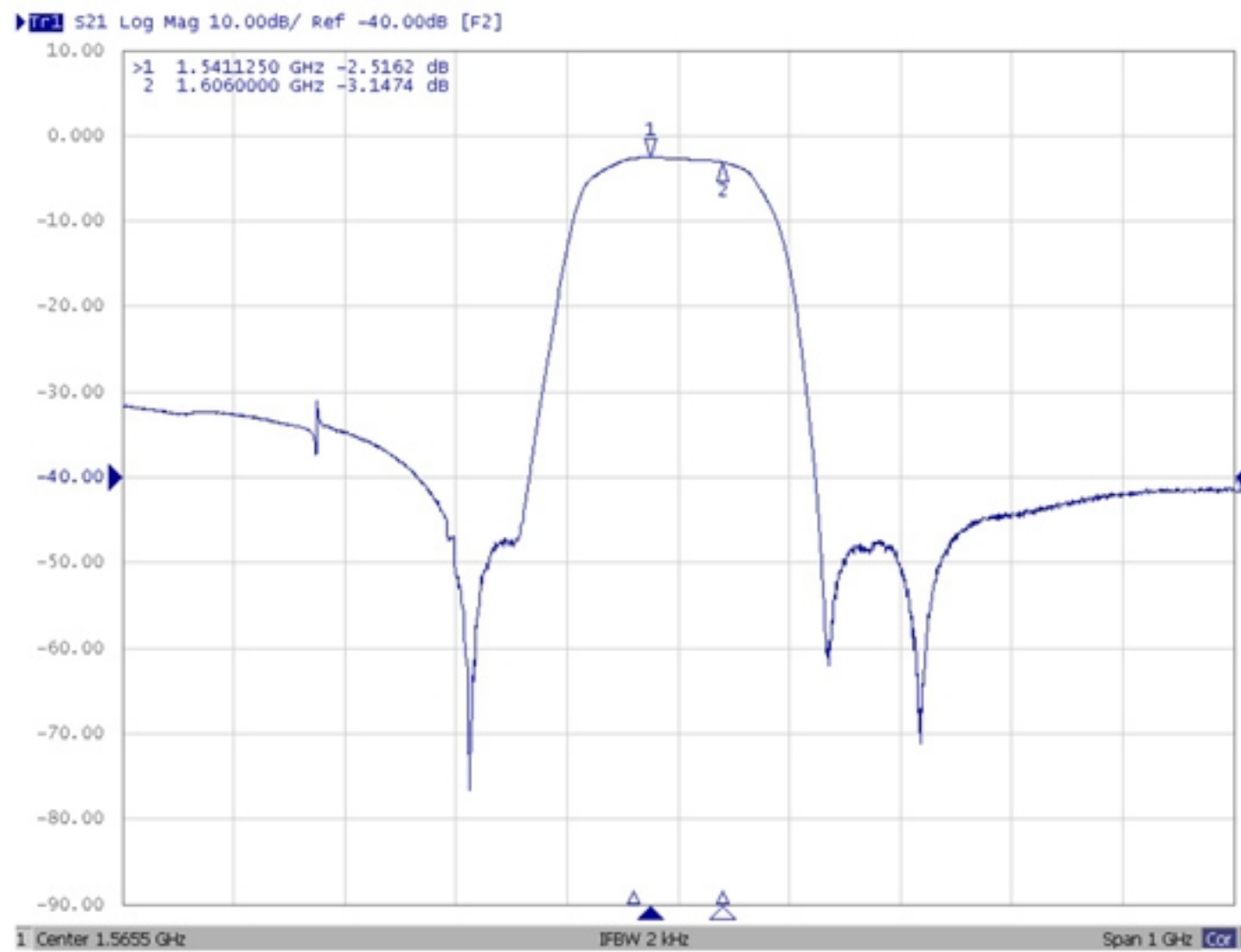
B. CHARACTERISTICS:

Ambient Temperature: 25°C

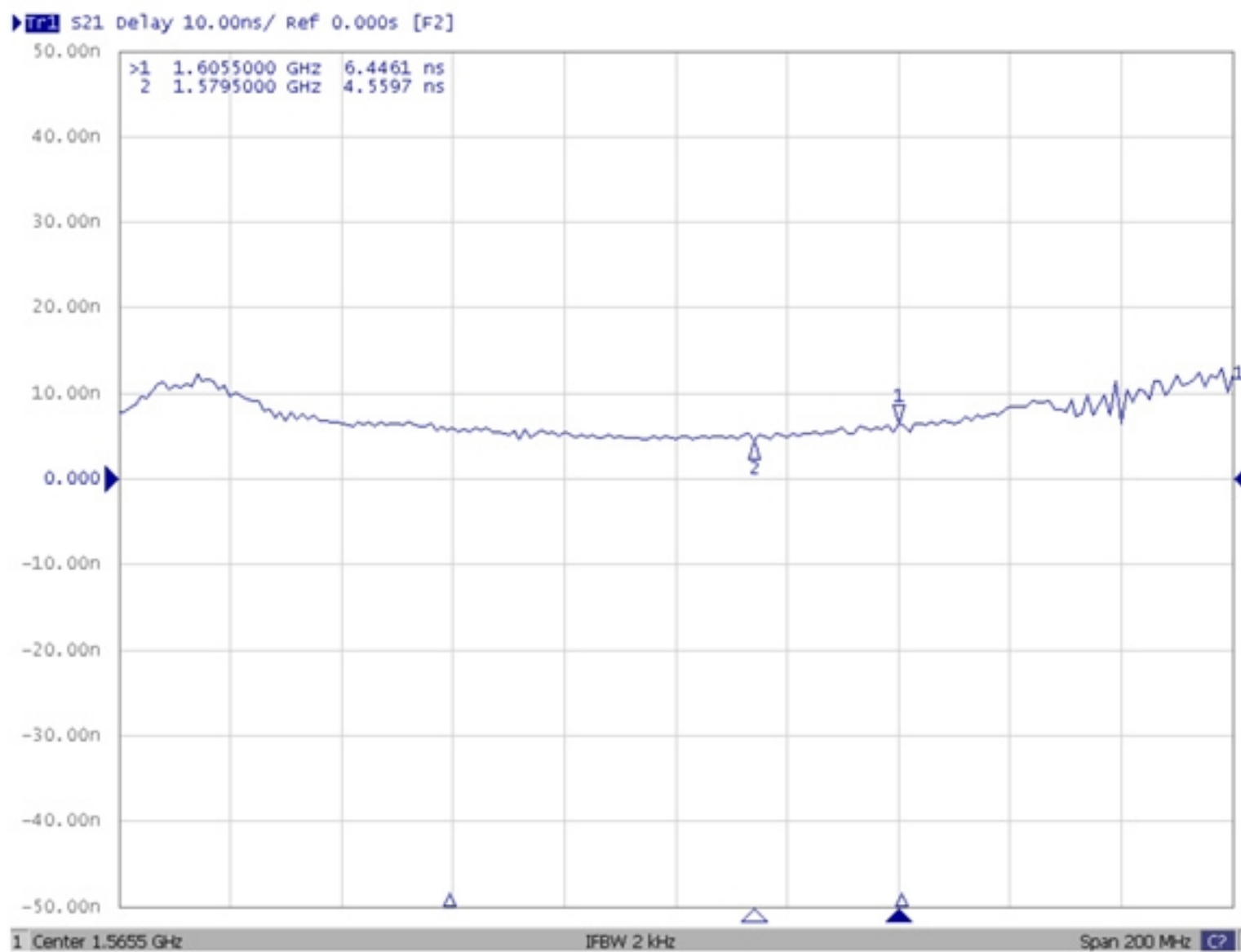
Item	Unit	Min.	Typical	Max.
Center frequency, F_c	MHz	-	1565.5	-
Max. Insertion Loss, (1525~1606MHz)	dB	-	3.1	3.7
Passband Ripple (1525~1606MHz)	dB	-	0.6	2.0
Group Delay Variation (1525~1606MHz)	ns	-	2	15
Group Delay Variation(1525~1606MHz) On 2MHz sliding Window	ns	-	1.2	15
Group Delay Variation (1573.374~1577.466MHz)	ns	-	0.5	5
Group Delay Variation (1597.55~1605.866MHz)	ns	-	1	5
Return Loss (1525~1606MHz)	dB	6.0	9.0	-
Attenuation Referenced from 0dB				
703MHz ~ 915MHz	dB	27	30	-
1320MHz ~ 1420MHz	dB	30	40	-
1740MHz ~ 2000MHz	dB	30	40	-
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-

C. FREQUENCY CHARACTERISTICS:

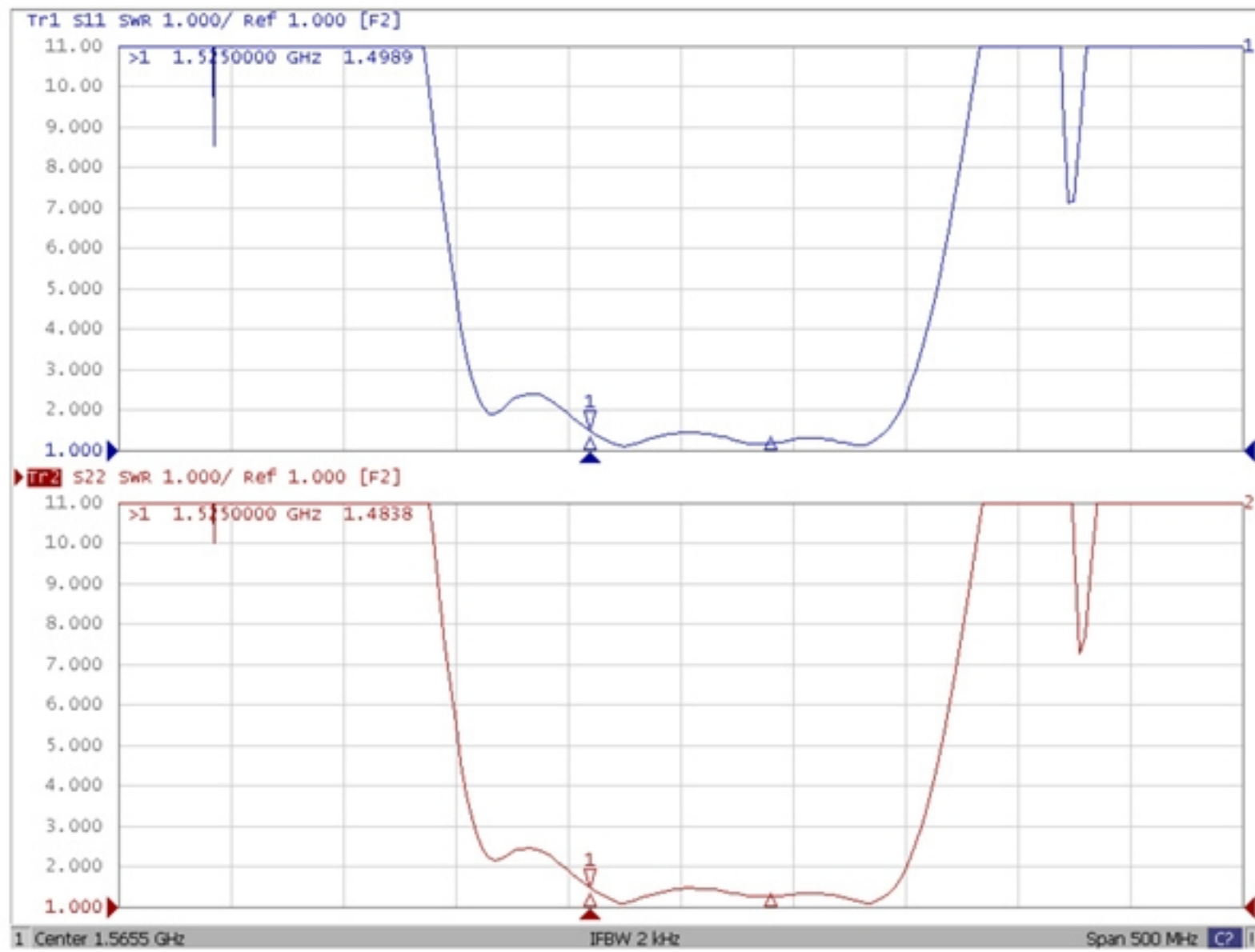
(1) Narrow Band Response:



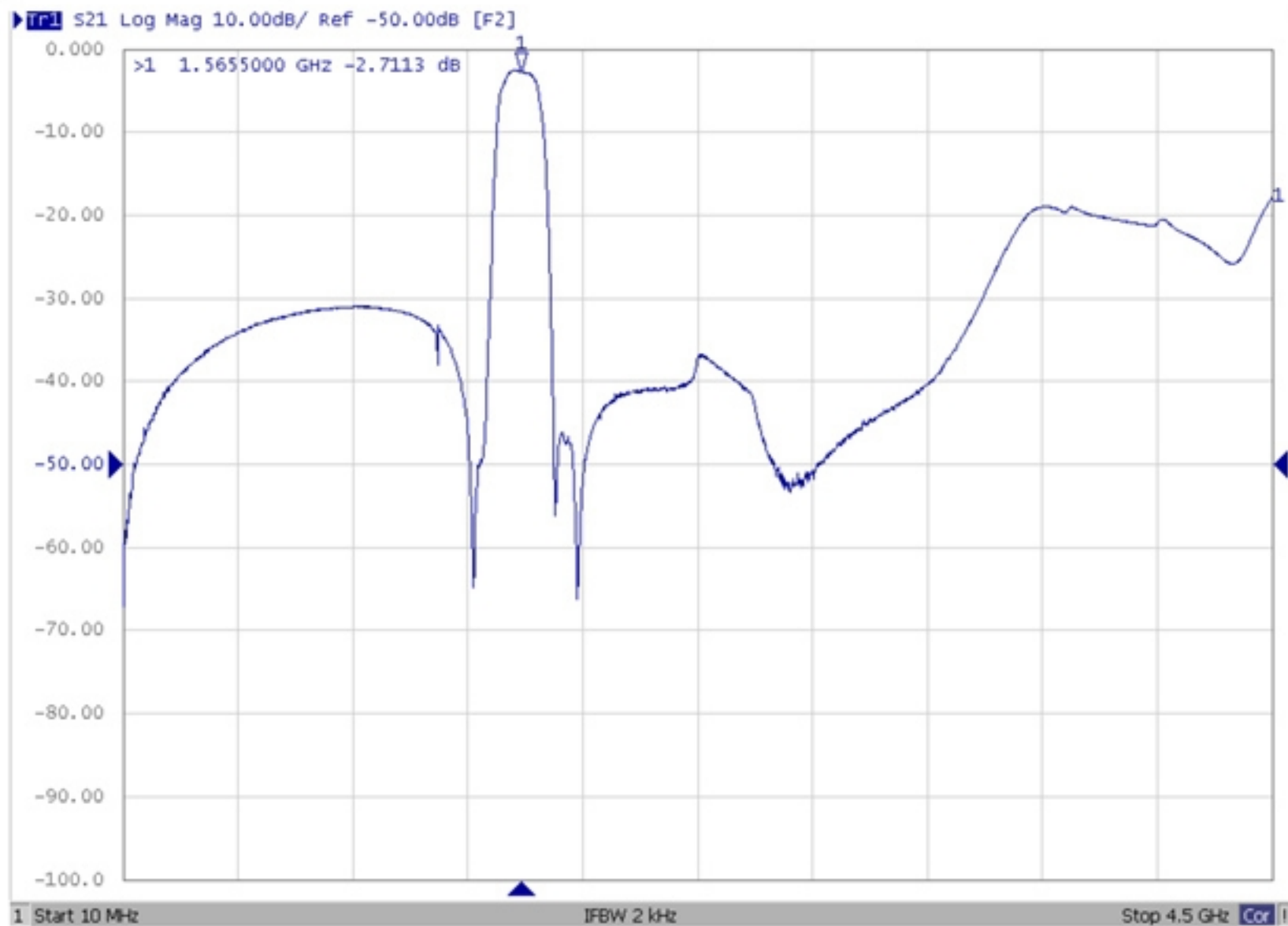
(2) Group Time Delay Response:



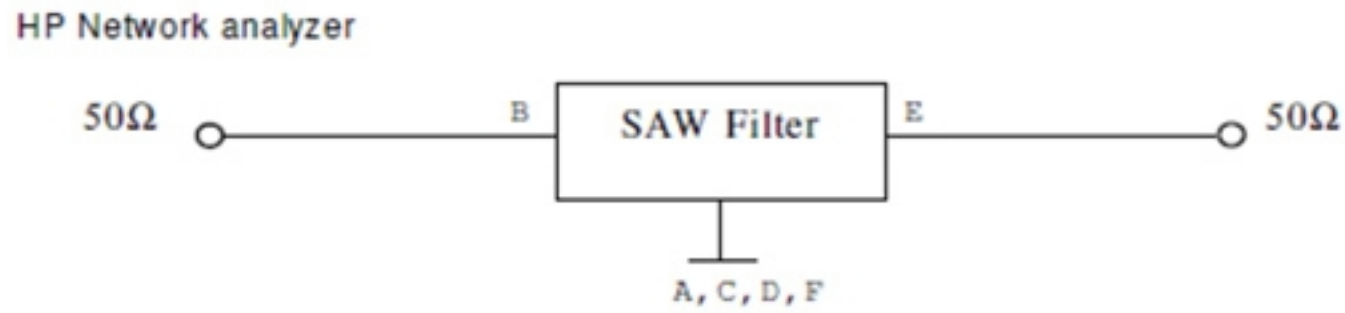
(3) VSWR:



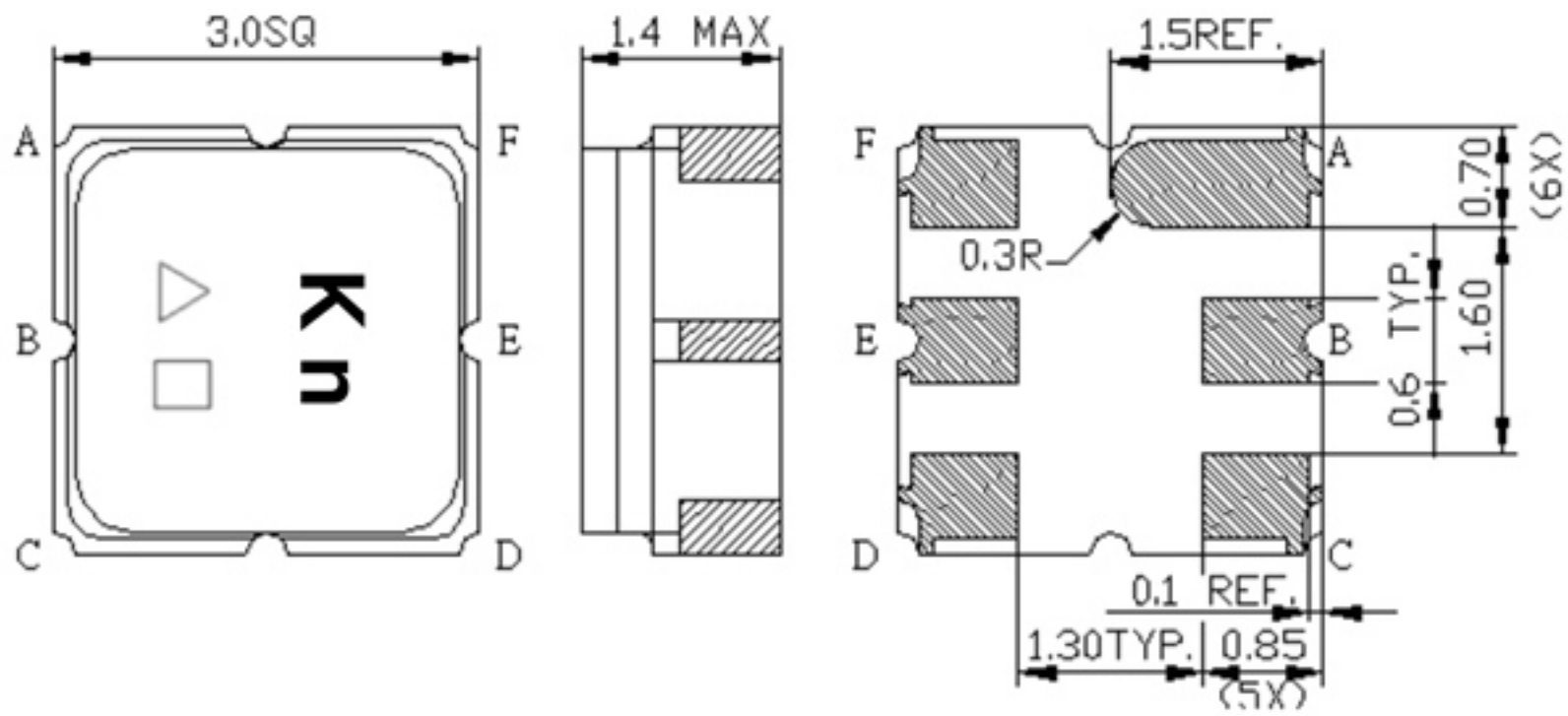
(4) Wide Band Response:



D. MATCHING CIRCUIT:



E. OUTLINE DRAWING:



#B: Input

#E: Output

Others: Ground

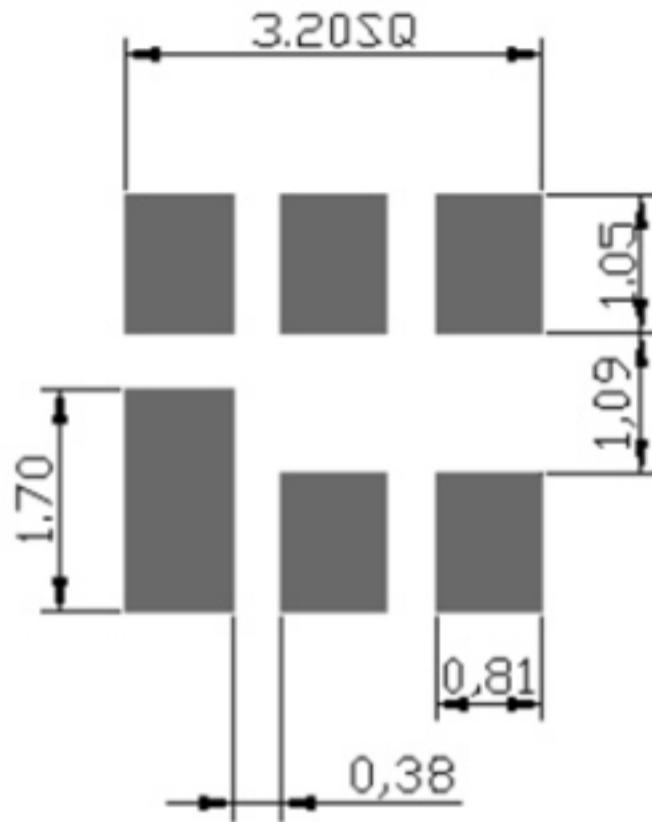
△ Year code : Ten-Year Cycle

Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
	2020	2021	2022	2023	2024	2025	2025	2027	2028	2029
Code	0	1	2	3	4	5	6	7	8	9

□ Data code :

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

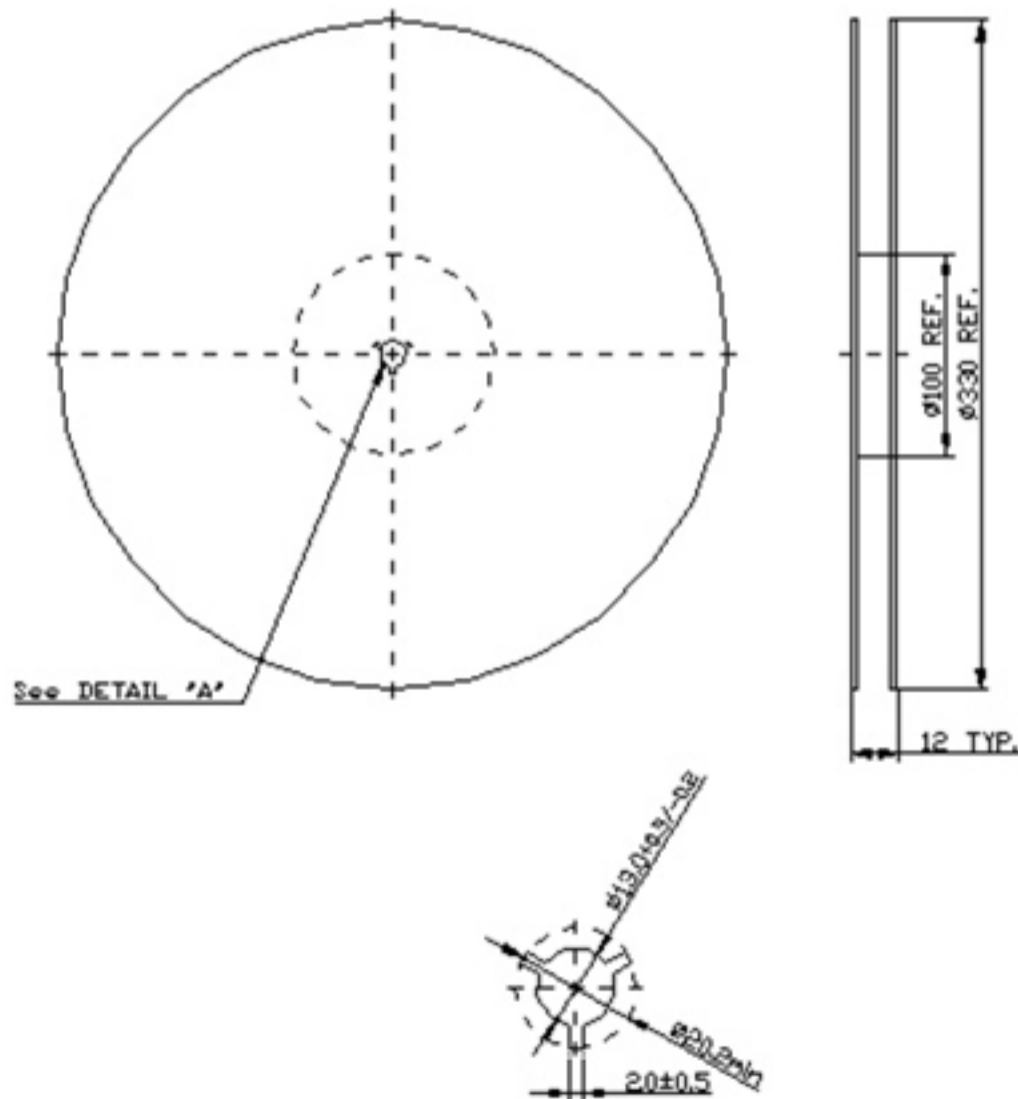
F. PCB FOOTPRINT:



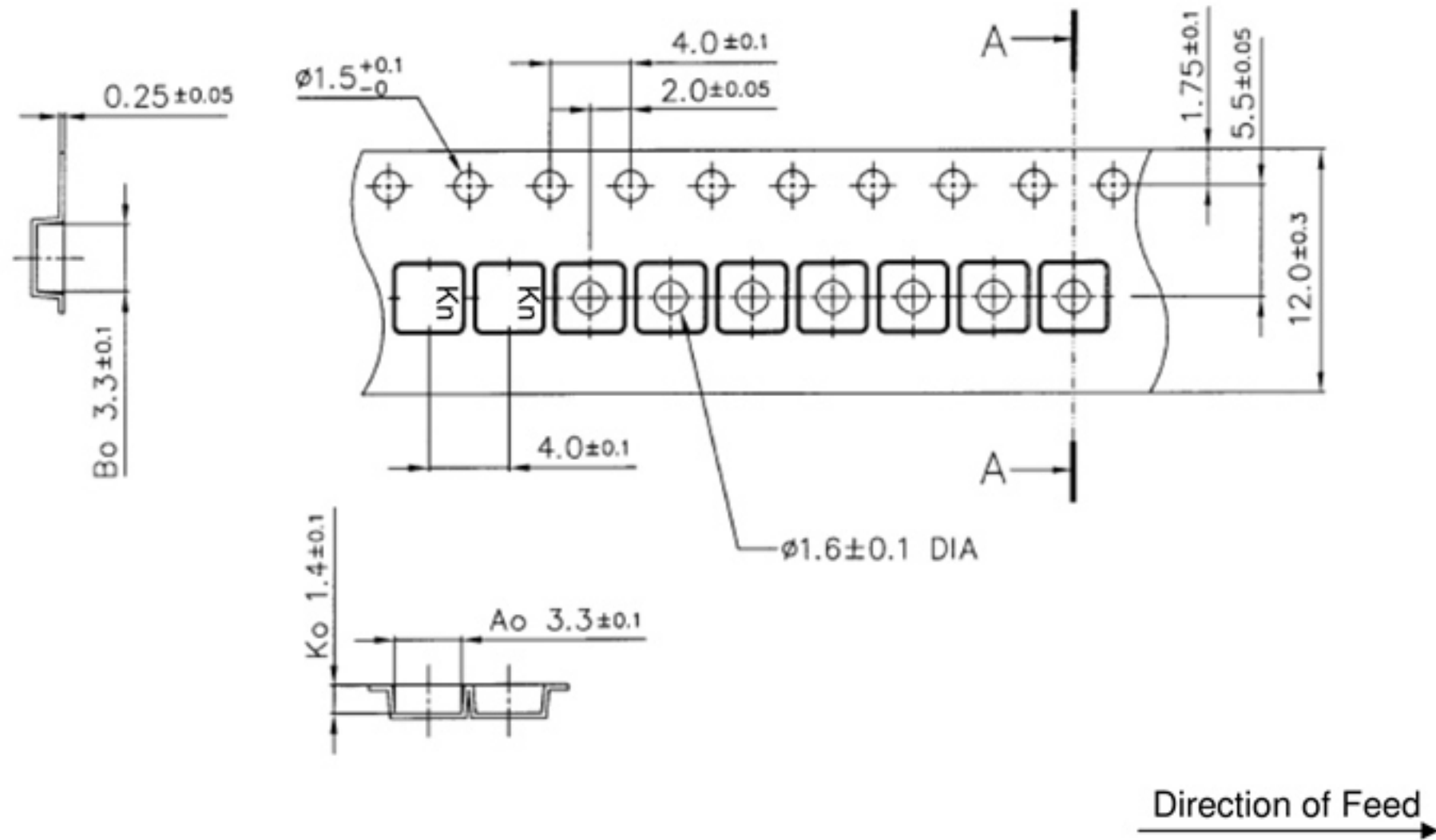
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



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.

