

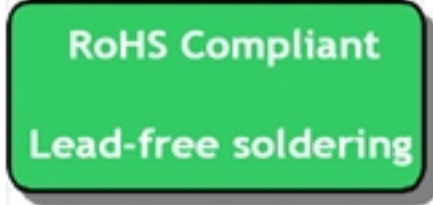
SAW Filter 160MHz

MODEL NO.: TA2555A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 20 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -10°C to +70°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(**MSL1**)



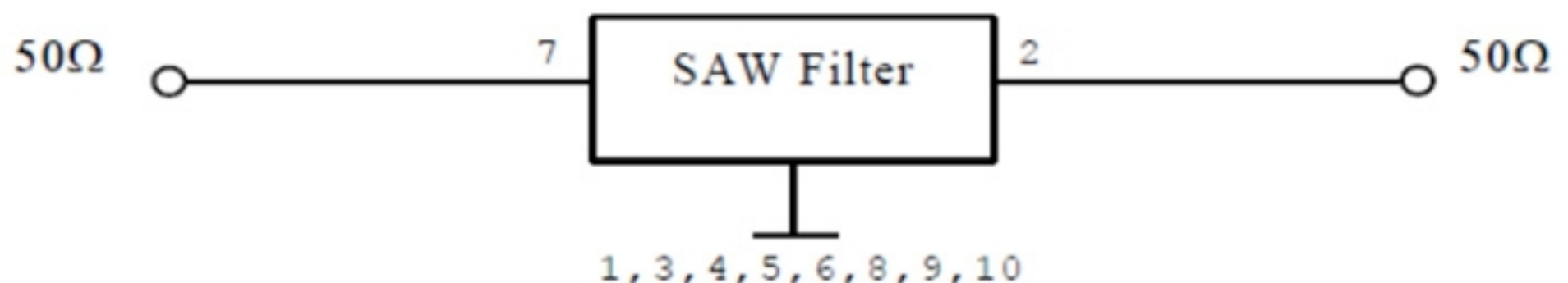
Electrostatic Sensitive Device (**ESD**)

B. ELECTRICAL CHARACTERISTICS:

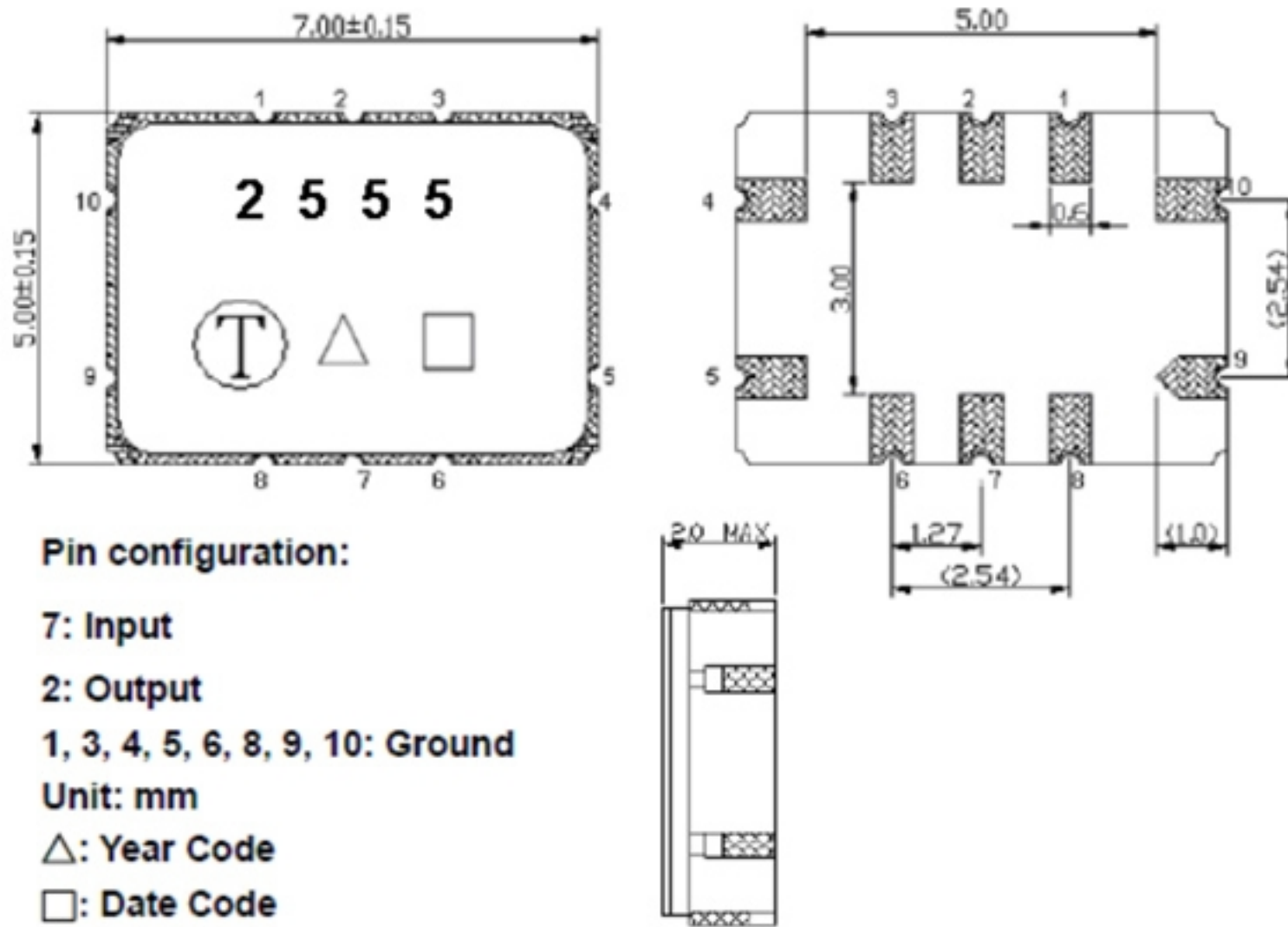
Item	Unit	Min	Type	Max	
Center Frequency Fc	MHz		160		
Insertion Loss 156~164MHz IL	dB		2	3.8	
Passband 156~164MHz	MHz	8	10		
Attenuation (Reference level from 0dB)					
110~130	MHz	dB	42	51	
130~145	MHz	dB	36	46	
190~210	MHz	dB	42	50	
Temperature Coefficient of Frequency	ppm/°C	-75 typ			

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:



Pin configuration:

7: Input

2: Output

1, 3, 4, 5, 6, 8, 9, 10: Ground

Unit: mm

△: Year Code

□: Date Code

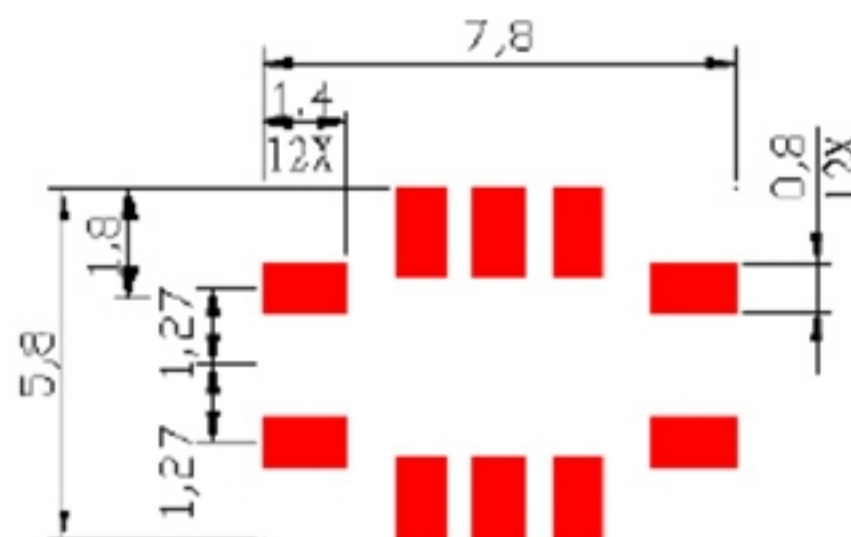
Product Year Code

Year	2013 2017	2014 2018	2015 2019	2016 2020
Product Code	A	a	<u>A</u>	<u>a</u>

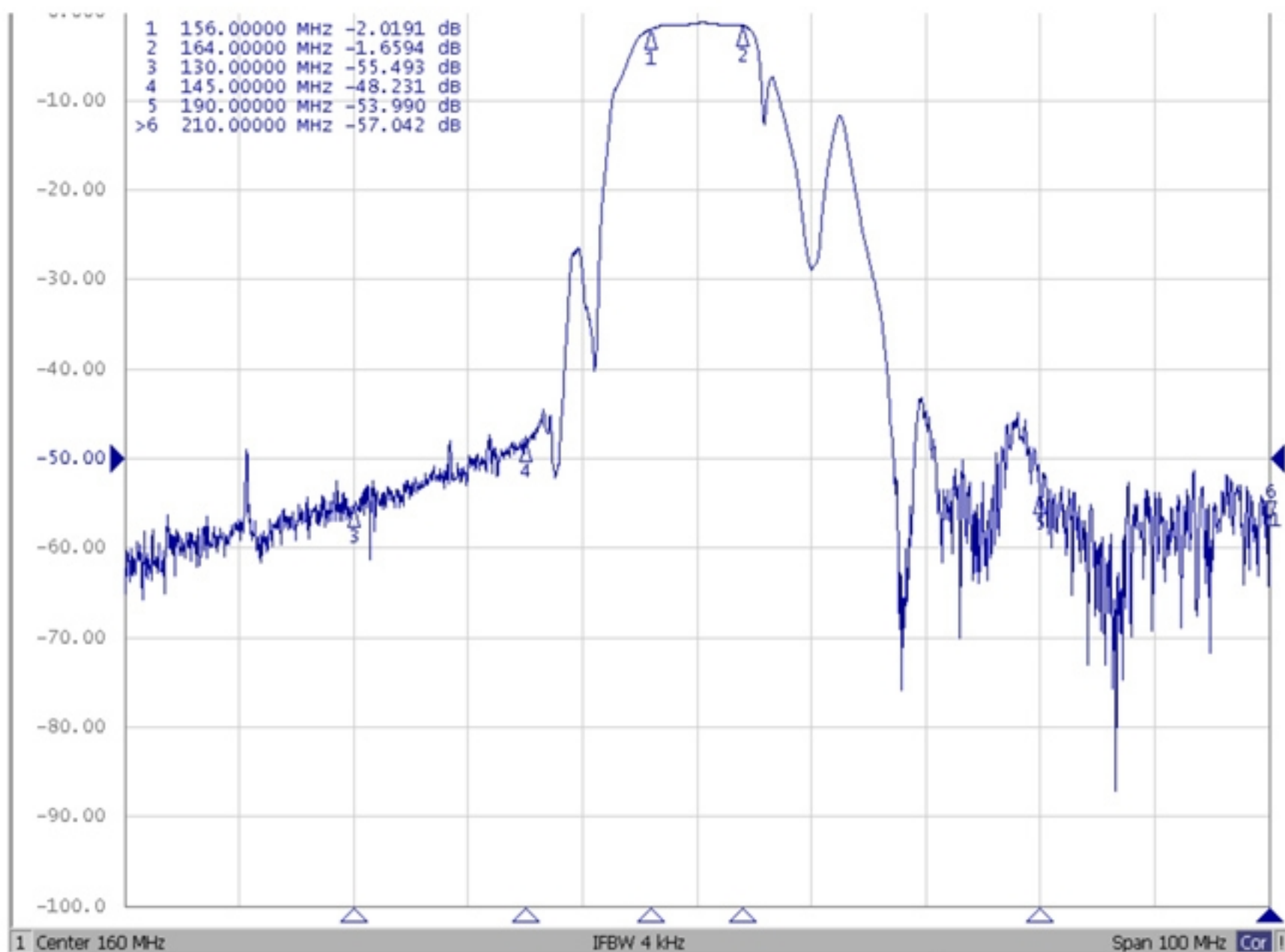
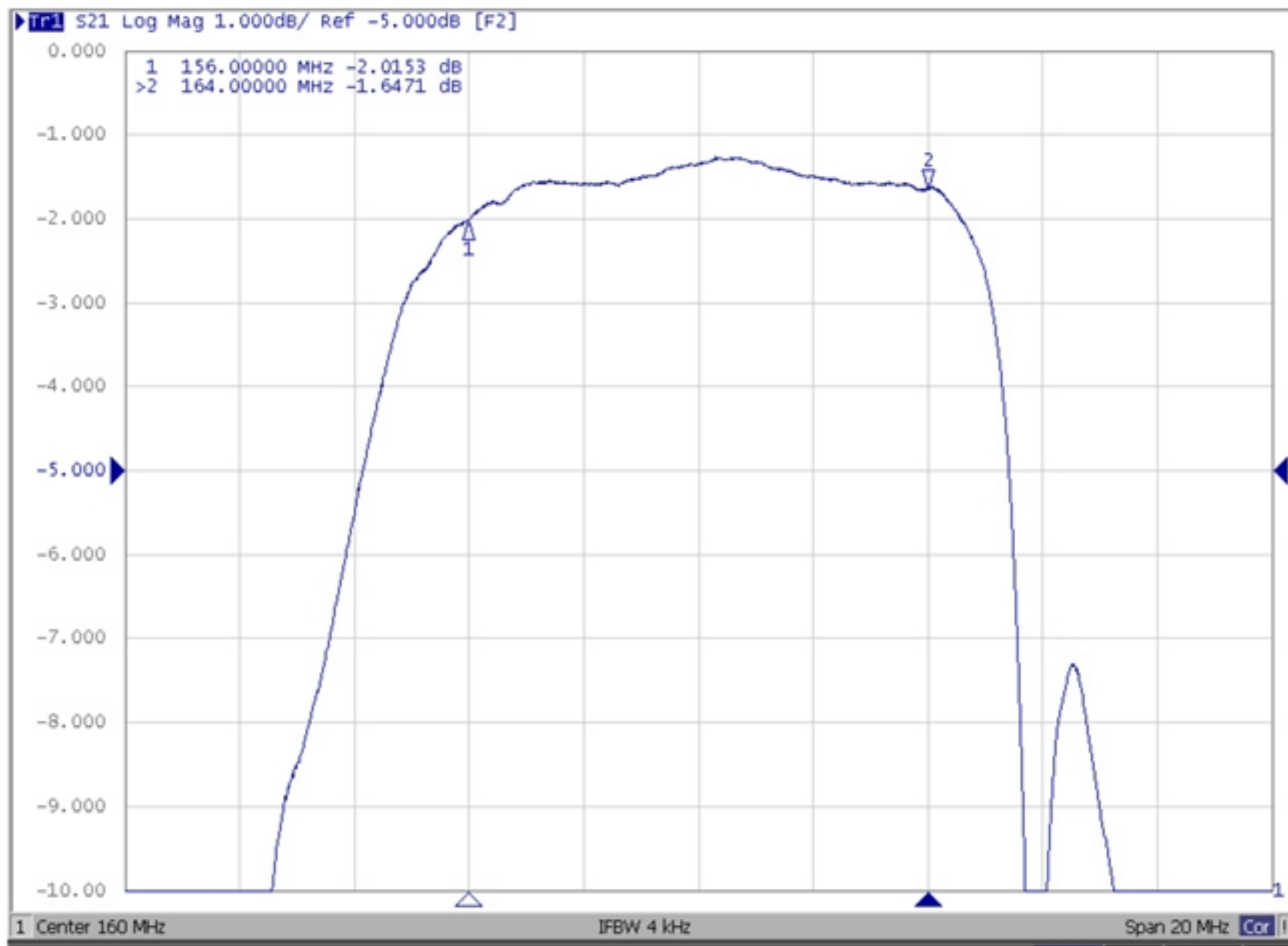
Date Code Table:

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:

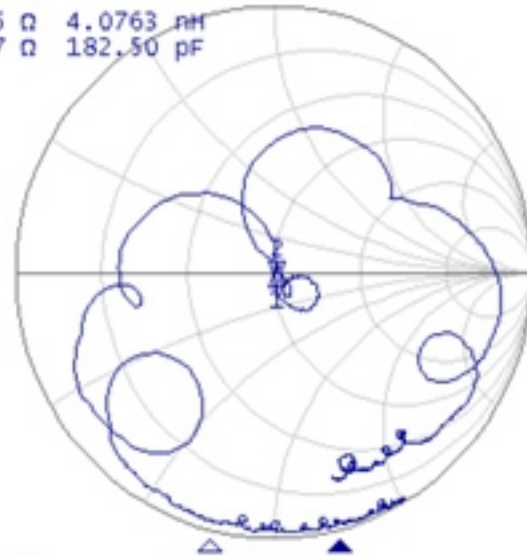


F. Frequency Characteristics:



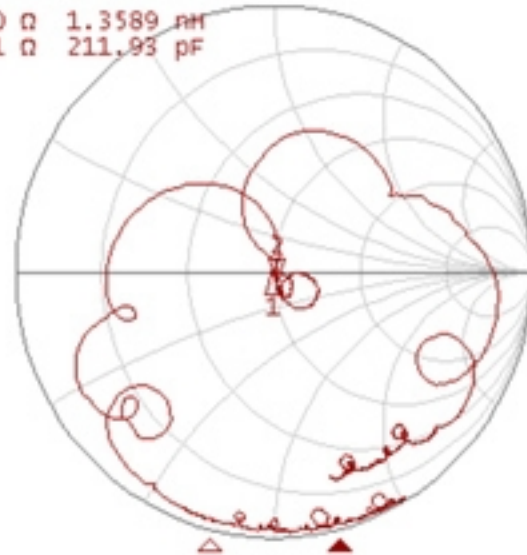
Tr1 S11 Smith (R+jX) scale 1.000U [F2]

1	156.00000 MHz	50.645 Ω	3.9955 Ω	4.0763 nH
>2	164.00000 MHz	50.545 Ω	-5.3177 Ω	182.50 pF



Tr2 S22 Smith (R+jX) scale 1.000U [F2]

1	156.00000 MHz	49.902 Ω	1.3320 Ω	1.3589 nH
>2	164.00000 MHz	50.959 Ω	-4.5791 Ω	211.93 pF



1 Center 160 MHz

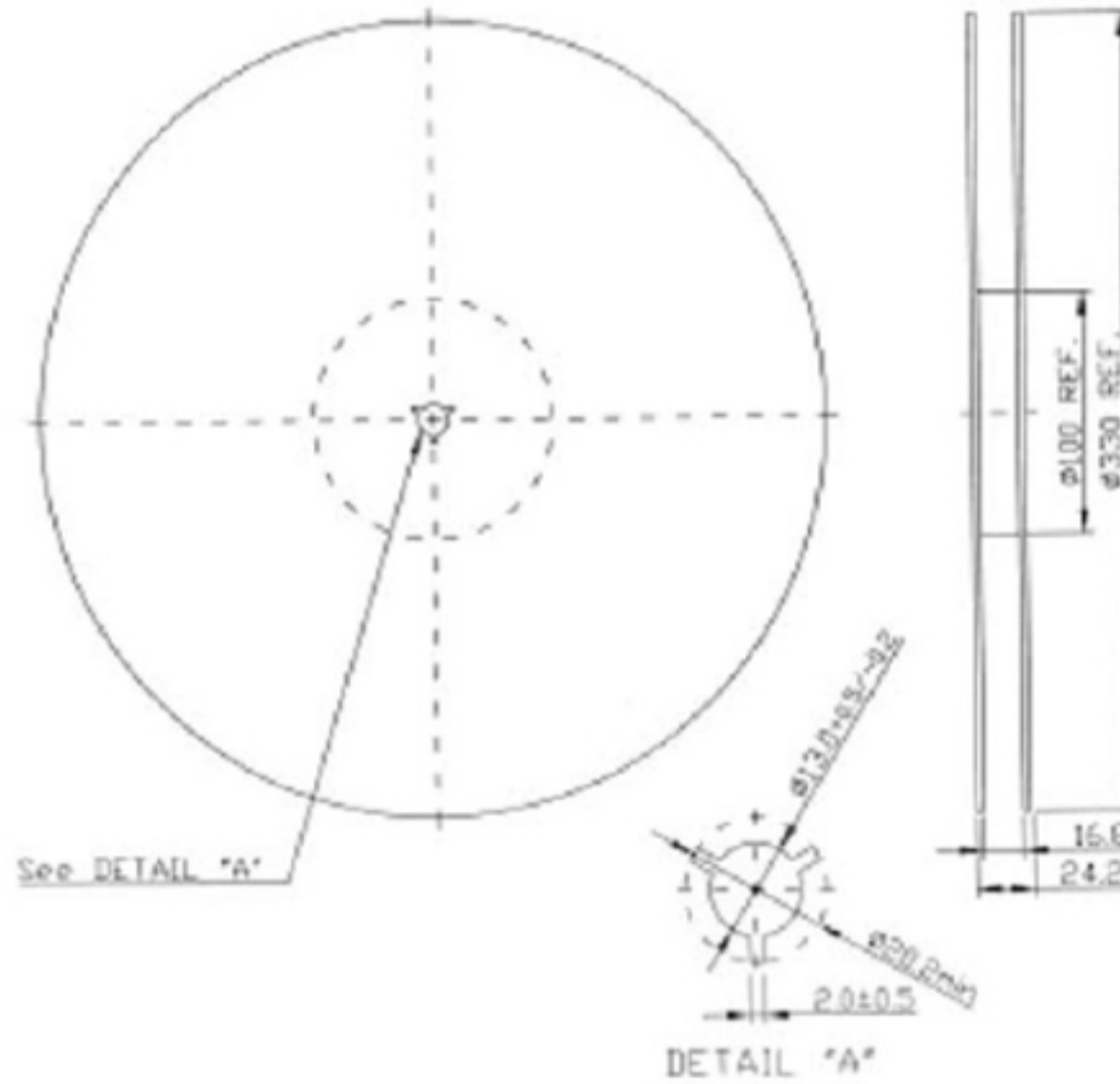
IFBW 4 kHz

Span 100 MHz  |

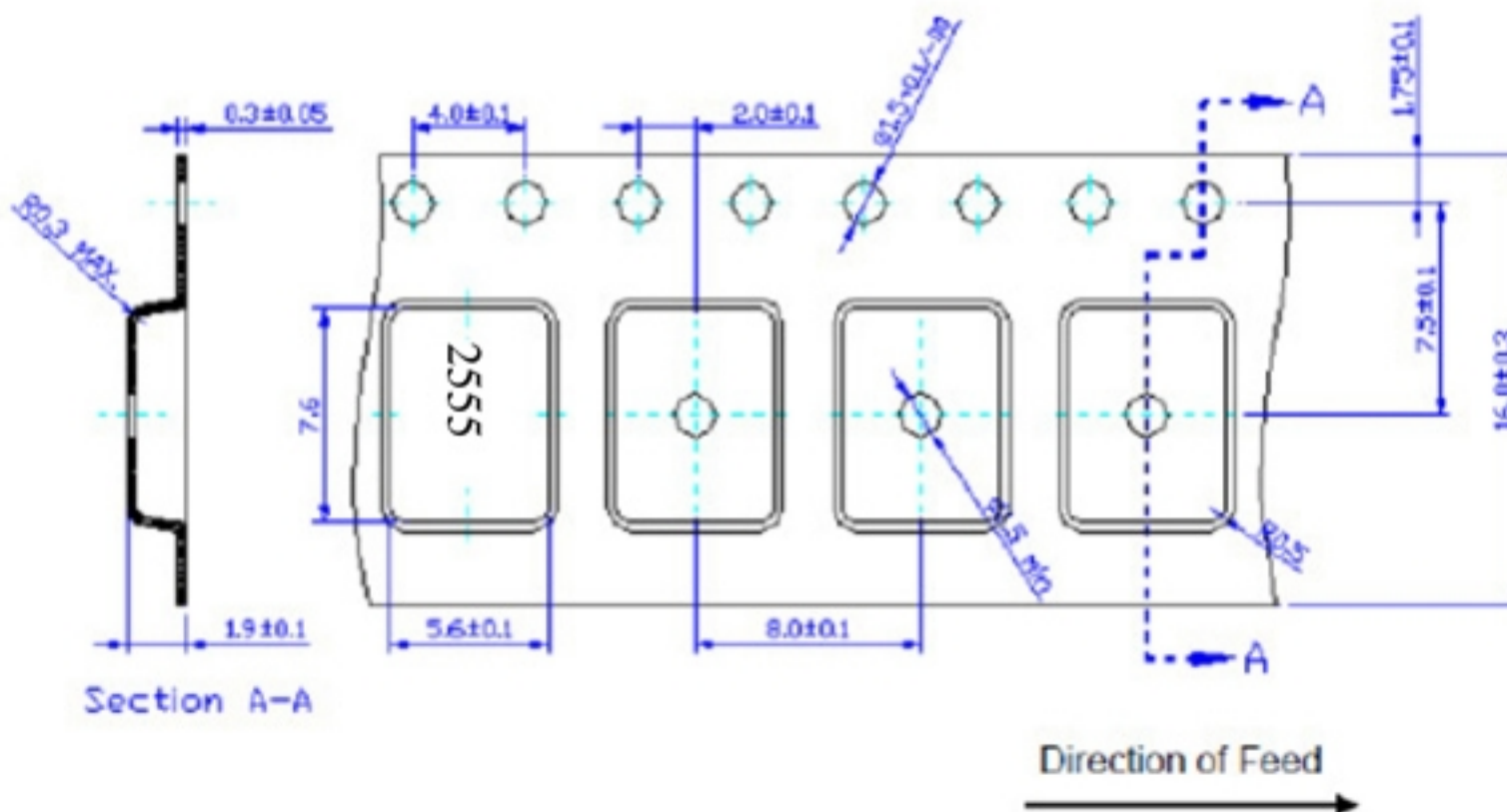
G. PACKING: (Ref. WI-75M03)

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 $60\sim 90$ seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for $50\sim 80$ seconds and at $260^{\circ}\text{C} +0/-5^{\circ}\text{C}$ peak ($20\sim 40\text{sec}$).
4. Time: 2 times.

