

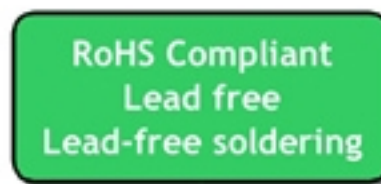
SAW Filter 1225 MHz GPS L2 SMD 1.4×1.1 mm

MODEL NO.:TA2298A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 0V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +105°C
5. Moisture Sensitivity Level: Level 3
6. ESD 50V(MM) 100V(HBM)

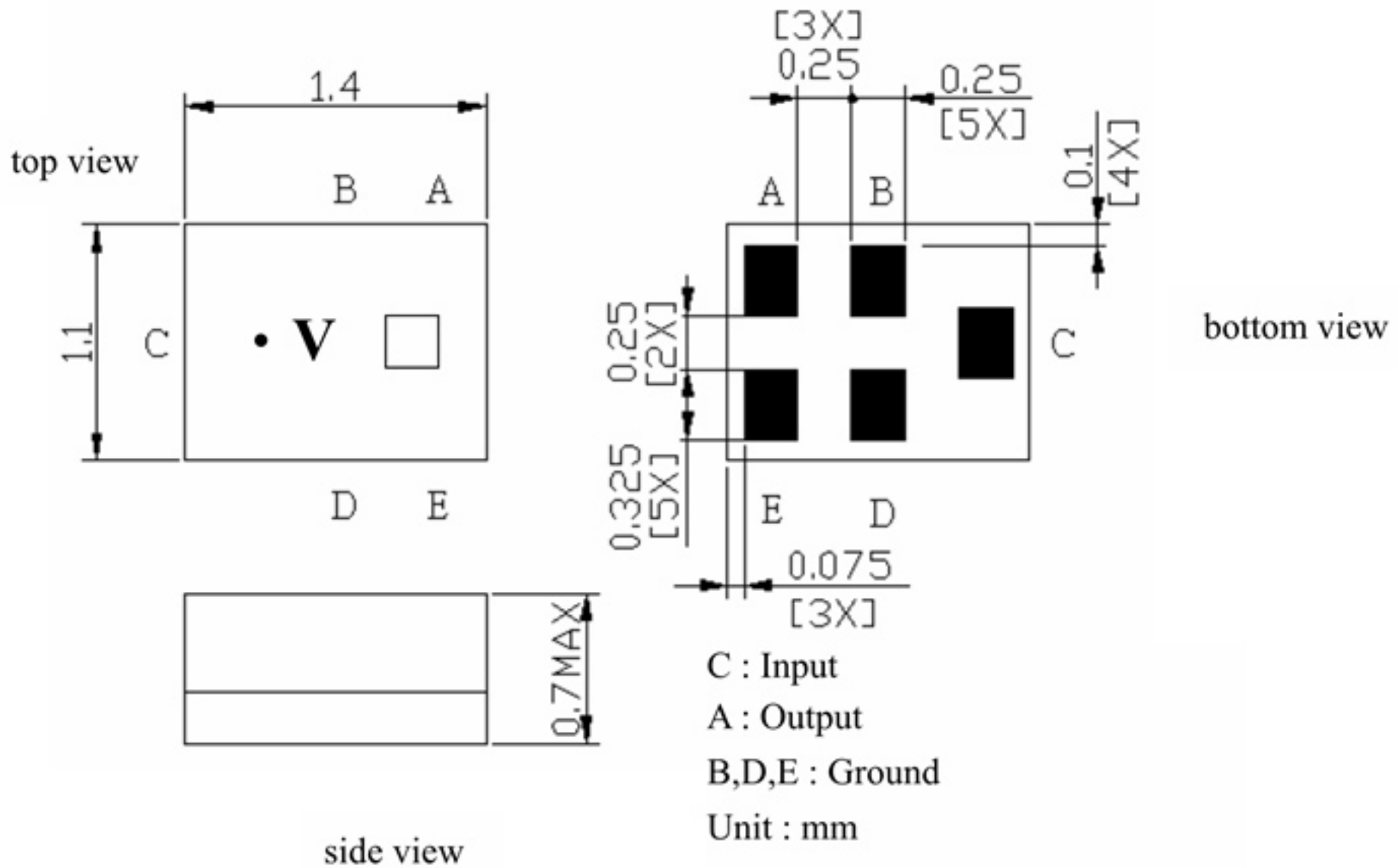


Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency	MHz	-	1225	-
Insertion Loss (1195 ~ 1255 MHz)	dB	-	2.2	2.8
Group Delay Ripple (1195 ~ 1255 MHz)	ns	-	10	20
Attenuation (reference level from 0 dB)				
880 ~ 920 MHz	dB	32	36	-
1710 ~ 1850 MHz	dB	38	43	-
1850 ~ 1920 MHz	dB	40	48	-
1920 ~ 1980 MHz	dB	40	49	-
2400 ~ 2500 MHz	dB	40	45	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

C.OUTLINE DRAWING:

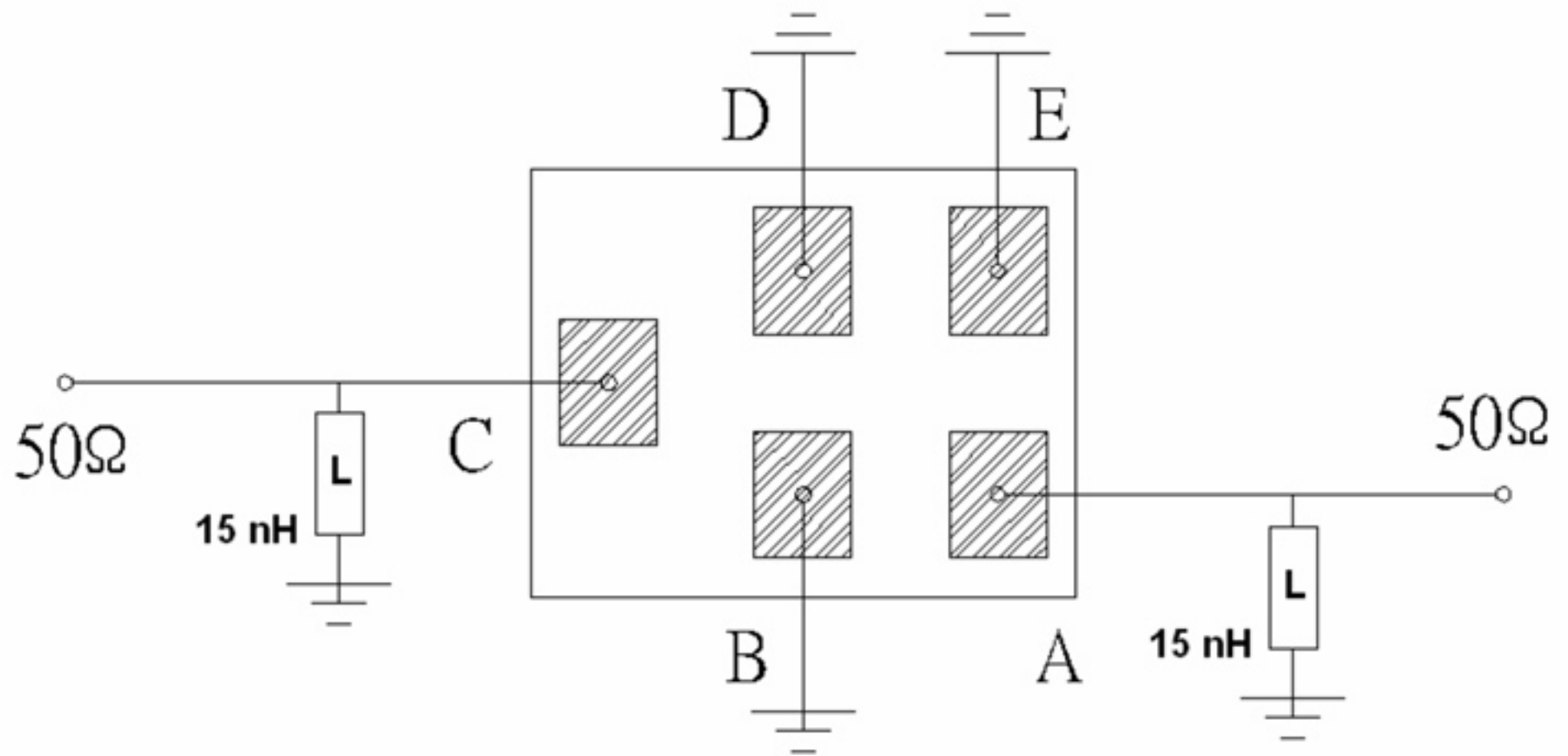


□ : Year/Month Code (Follow the table)

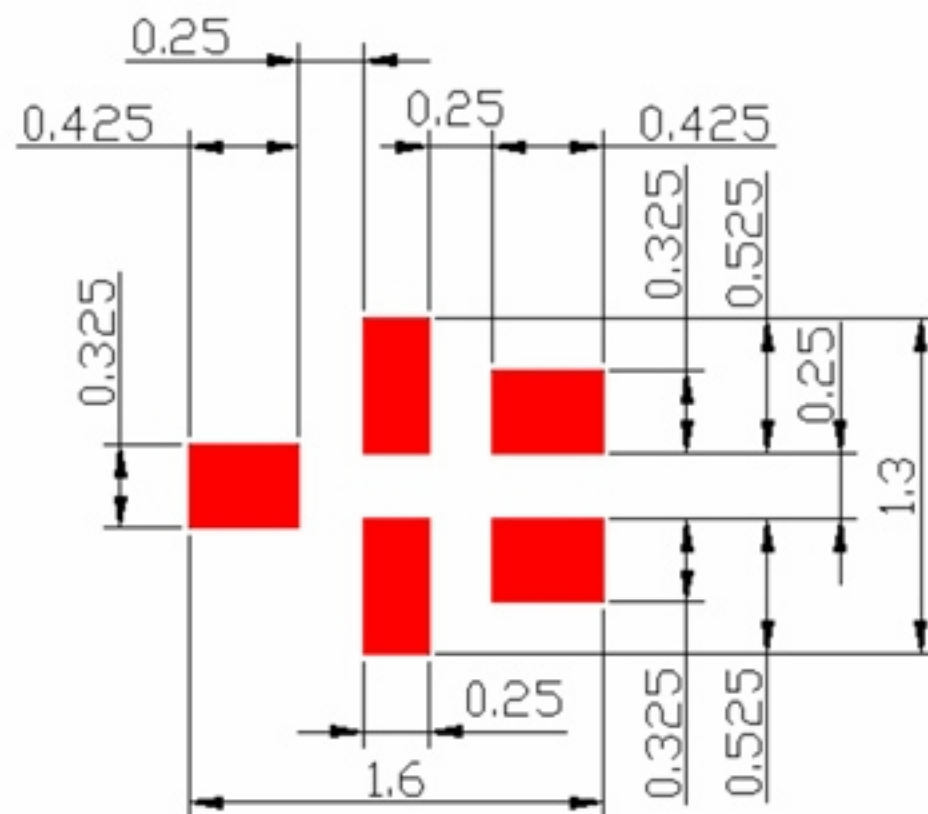
YEAR/Month	1	2	3	4	5	6	7	8	9	10	11	12
2013	A	B	C	D	E	F	G	H	J	K	L	M
2014	N	P	Q	R	S	T	U	V	W	X	Y	Z
2015	a	b	c	d	e	f	g	h	j	k	l	m
2016	n	p	q	r	s	t	u	v	w	x	y	z
2017	<u>A</u>	<u>B</u>	<u>C</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>G</u>	<u>H</u>	<u>J</u>	<u>K</u>	<u>L</u>	<u>M</u>
2018	<u>N</u>	<u>P</u>	<u>Q</u>	<u>R</u>	<u>S</u>	<u>T</u>	<u>U</u>	<u>V</u>	<u>W</u>	<u>X</u>	<u>Y</u>	<u>Z</u>
2019	<u>a</u>	<u>b</u>	<u>c</u>	<u>d</u>	<u>e</u>	<u>f</u>	<u>g</u>	<u>h</u>	<u>i</u>	<u>k</u>	<u>l</u>	<u>m</u>
2020	<u>n</u>	<u>p</u>	<u>q</u>	<u>r</u>	<u>s</u>	<u>t</u>	<u>u</u>	<u>v</u>	<u>w</u>	<u>x</u>	<u>y</u>	<u>z</u>


D. MEASUREMENT CIRCUIT:

By network analyzer simulation with port extension.

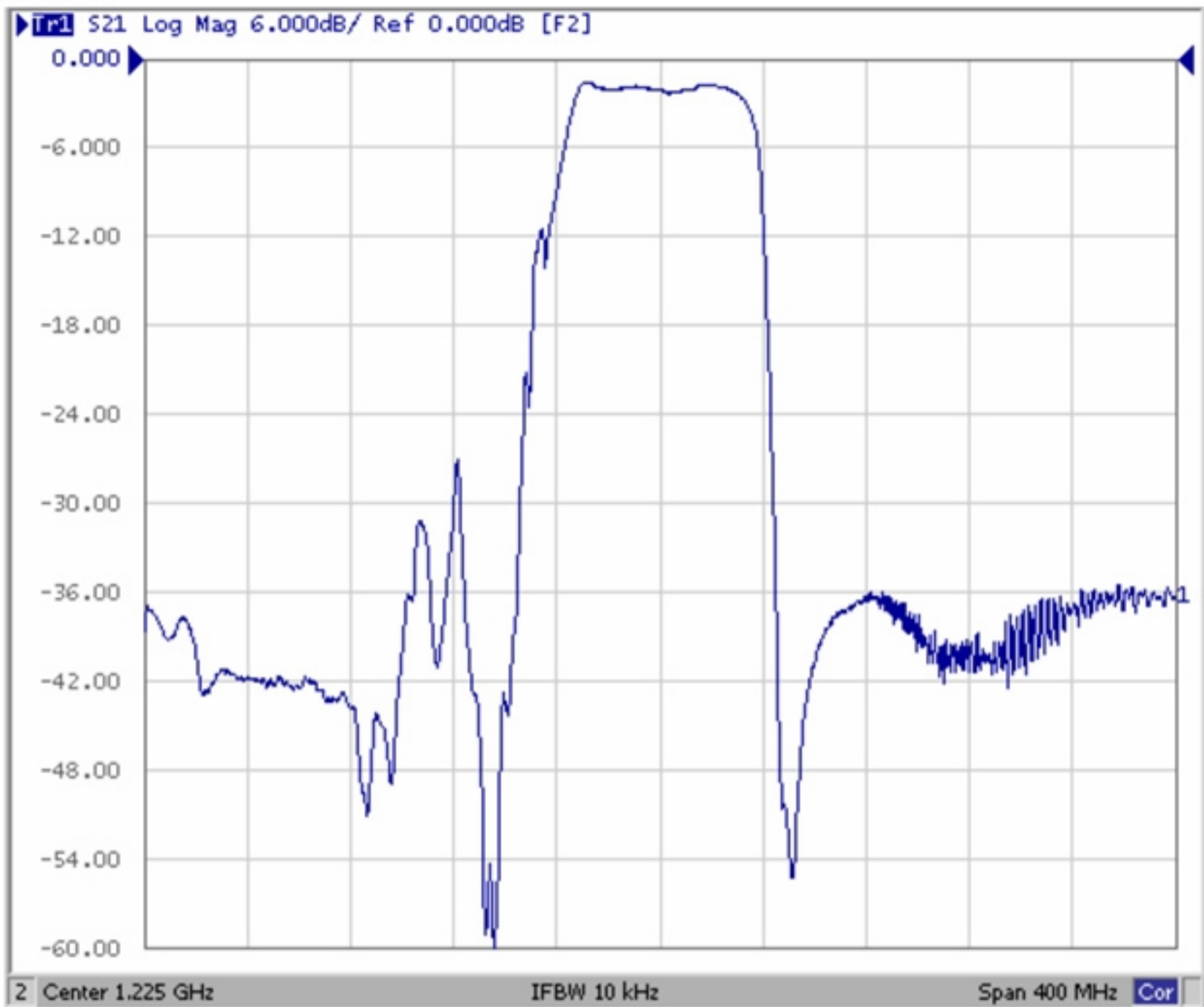


E. PCB Footprint:



 : Land Pattern
Unit : mm

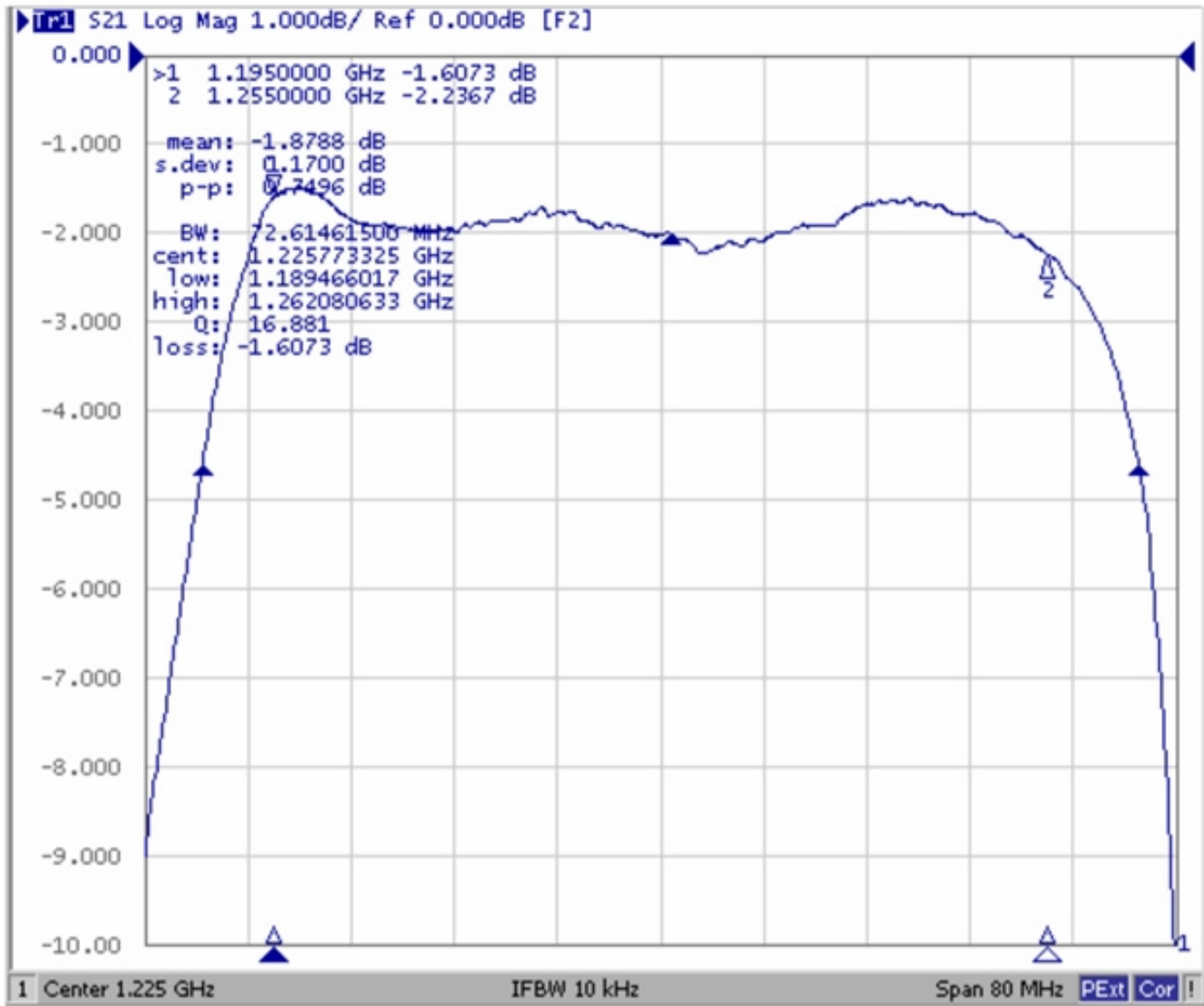
**F. Frequency Characteristics:
Span 400 MHz**



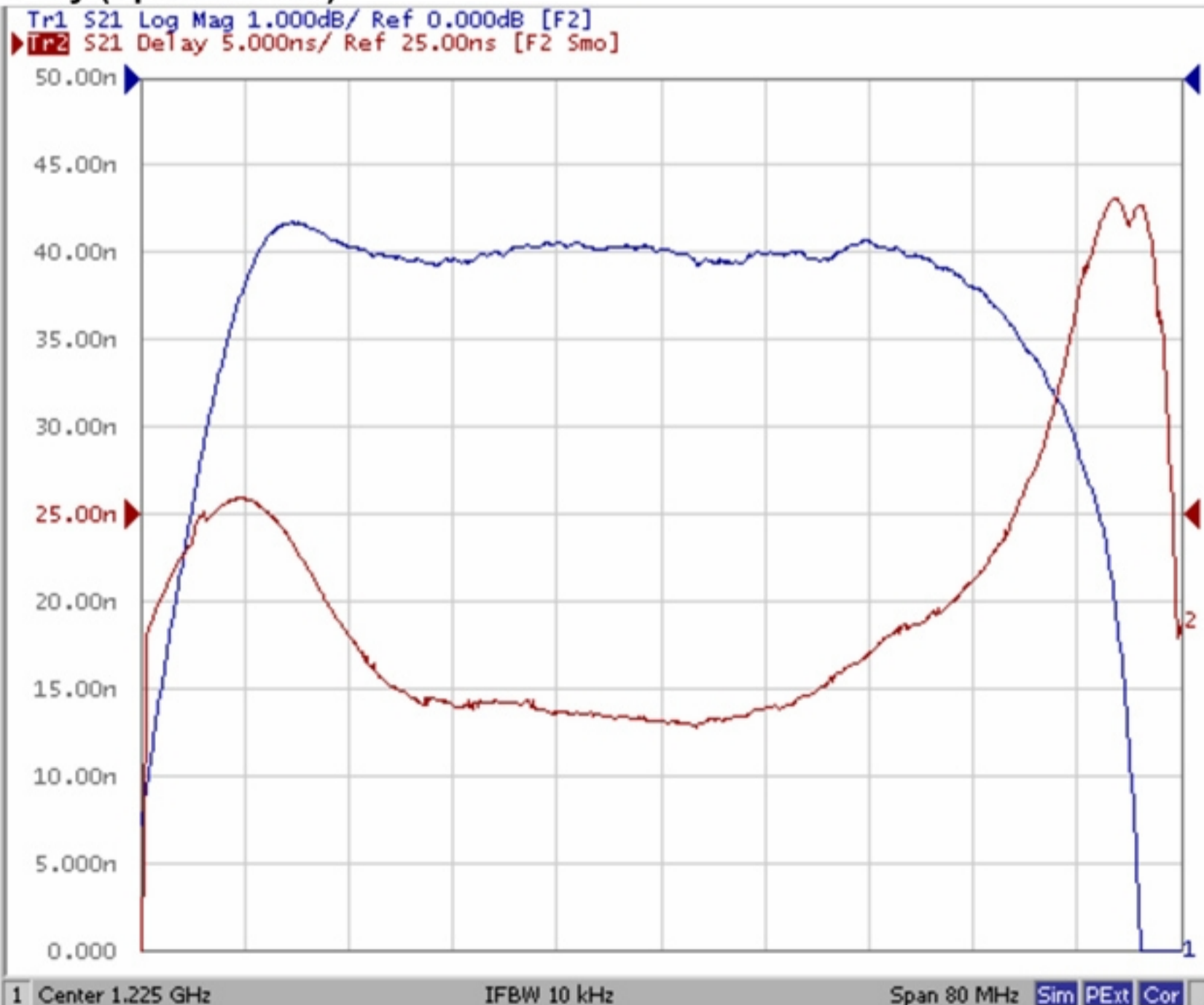
Span 2500 MHz



Span 80 MHz



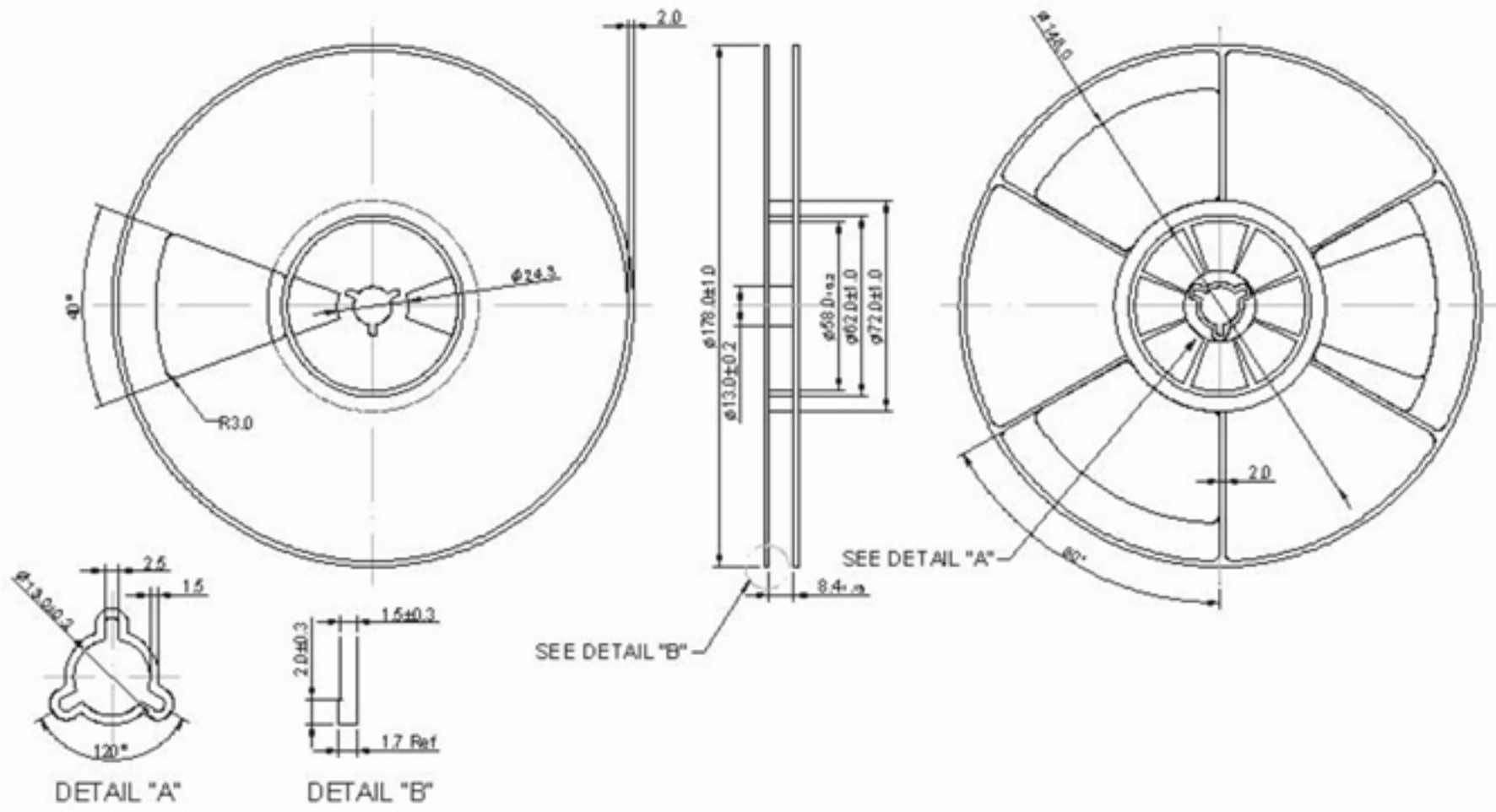
Group Delay (Span 80 MHz)



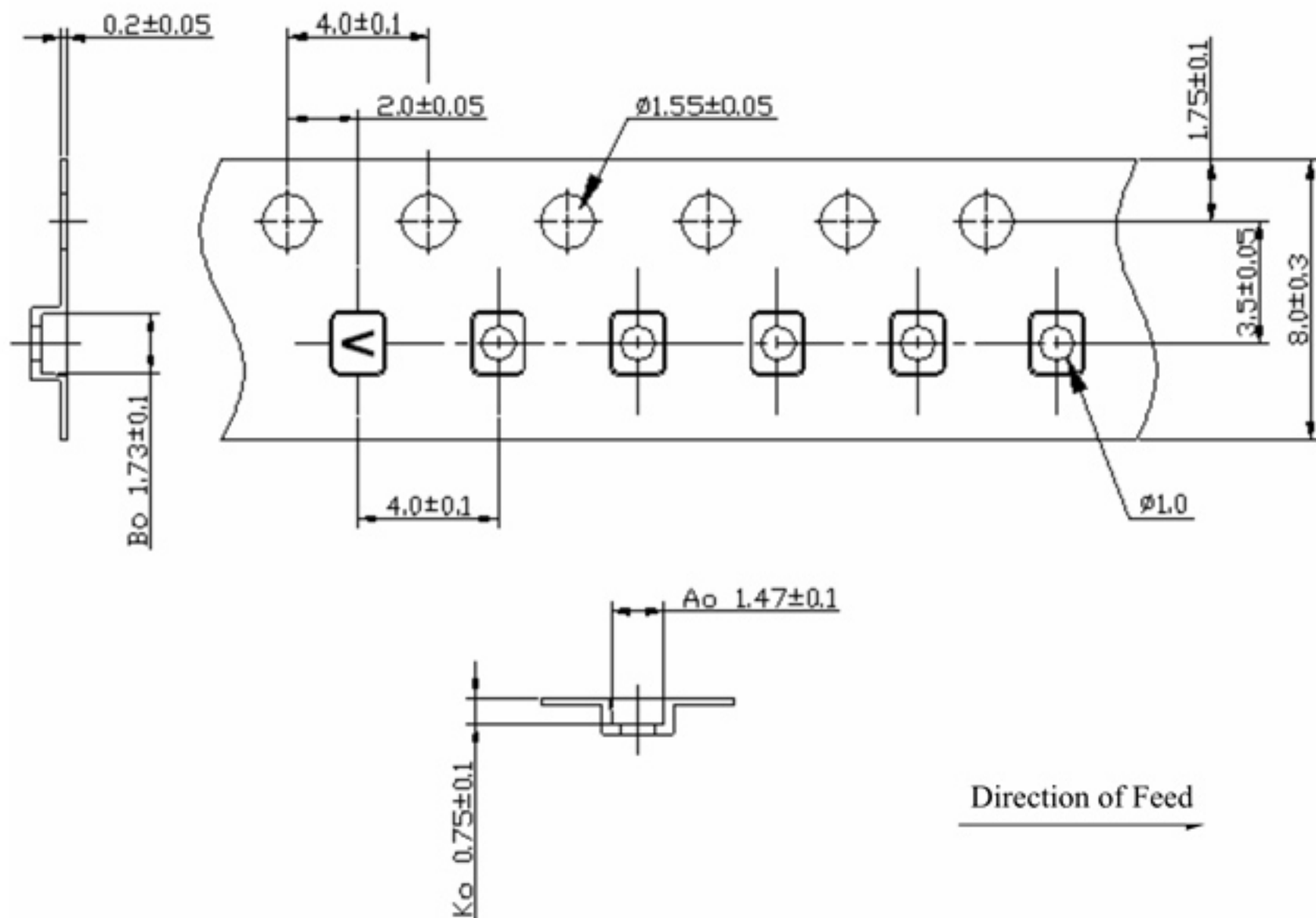
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°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.

