

SAW Filter 1542 MHz

MODEL NO.: TA1926A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

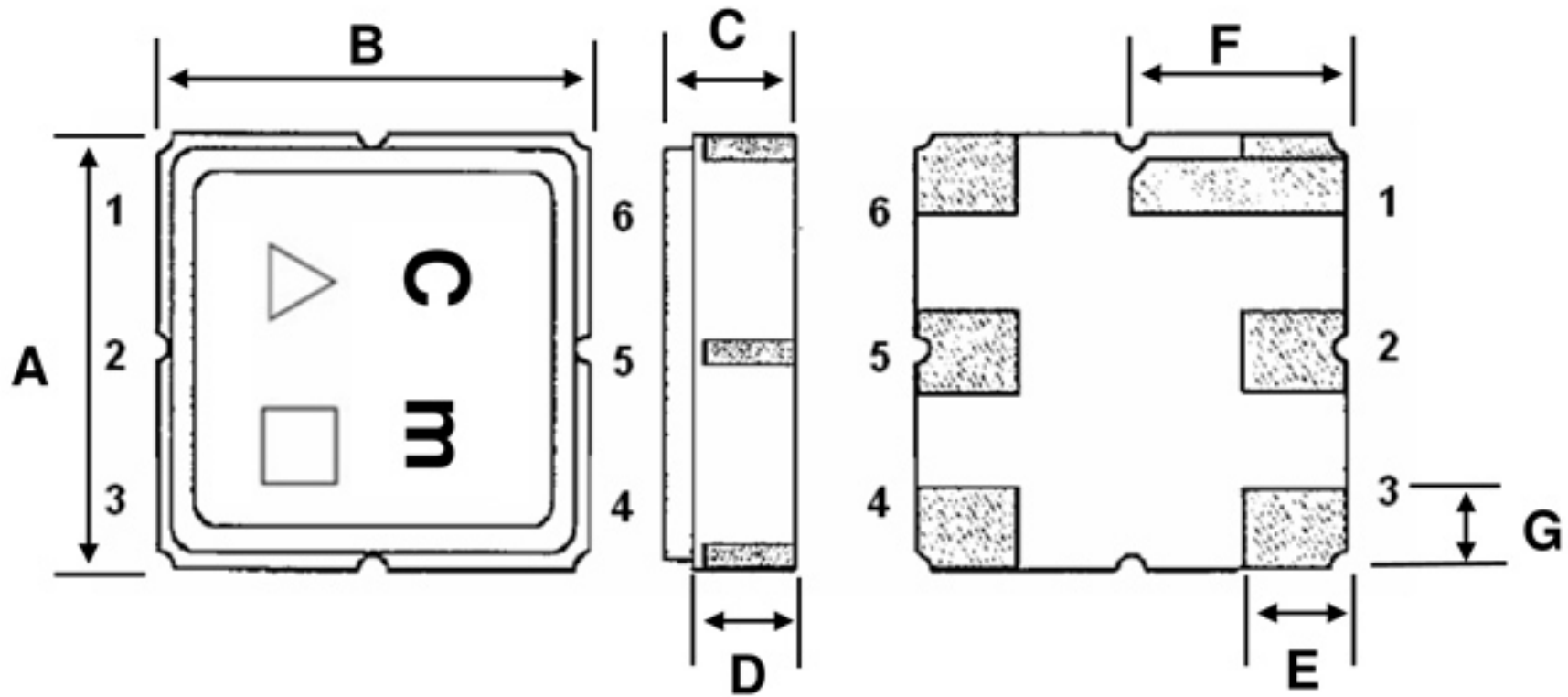
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance(single): Z_s=50 Ω

Terminating load impedance(balanced): Z_L=50 Ω

Item	Unit	Min.	Typ.	Max.	
Center frequency F_c	MHz	-	1542	-	
Insertion Loss (1525~1559 MHz) IL	dB	-	3.4	4.5	
Amplitude ripple (1525~1559 MHz)	dB	-	0.8	1.5	
Input _ VSWR (1525~1559 MHz)	-	-	2.2	2.45	
Output _ VSWR (1525~1559 MHz)	-	-	1.9	2.3	
Attenuation (Reference level from 0 dB)					
10 ~1000 MHz	dB	40	48	-	
1000 ~1480 MHz	dB	30	32	-	
1480 ~1490 MHz	dB	20	30	-	
1575 MHz	dB	2	4.5	-	
1600 ~1650 MHz	dB	20	30	-	
1650 ~1785 MHz	dB	35	39	-	
1785 ~2200 MHz	dB	28	34	-	
2200 ~2500 MHz	dB	25	30	-	
2500 ~4000 MHz	dB	16	19	-	
Temperature coefficient of frequency	ppm/k	-	-36	-	

C. OUTLINE DRAWING:



Connection	Terminals
Input	2
Balanced Output	4, 6
Ground	1, 3, 5

Dimensions	Millimeters			Inches		
	Min	Nom	Max	Min	Nom	Max
A	2.87	3.0	3.13			
B	2.87	3.0	3.13			
C	0.90	1.0	1.10			
D		0.75				
E		0.75				
F		1.50				
G		0.60				

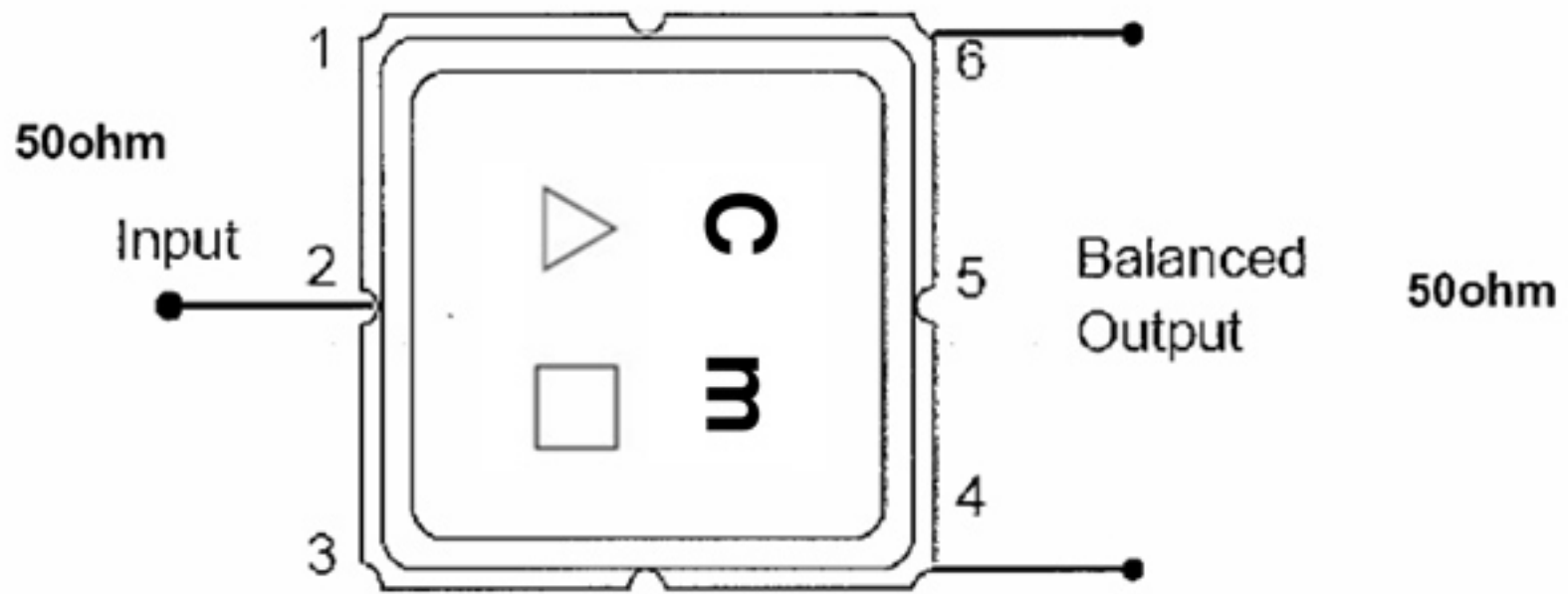
△ : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

□ : Date Code

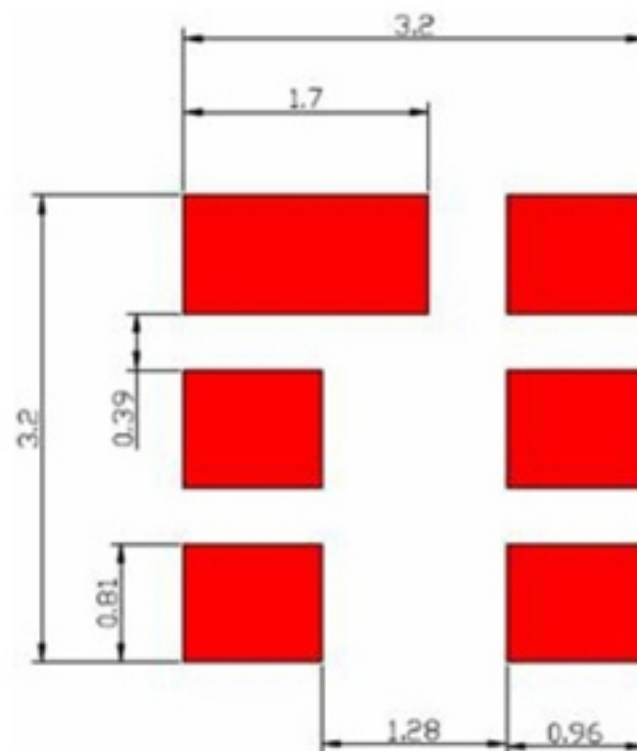
Date Code Table:

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

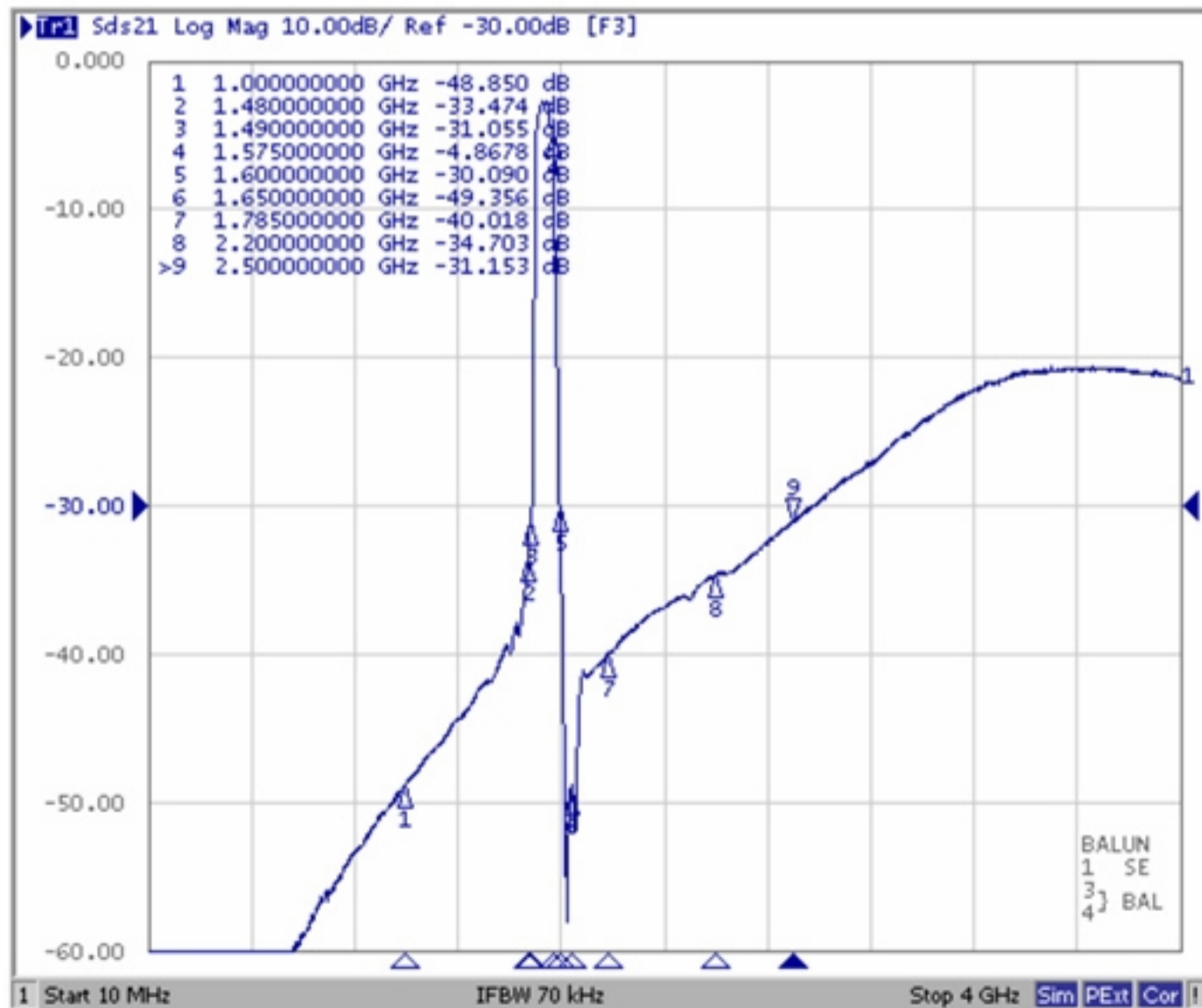
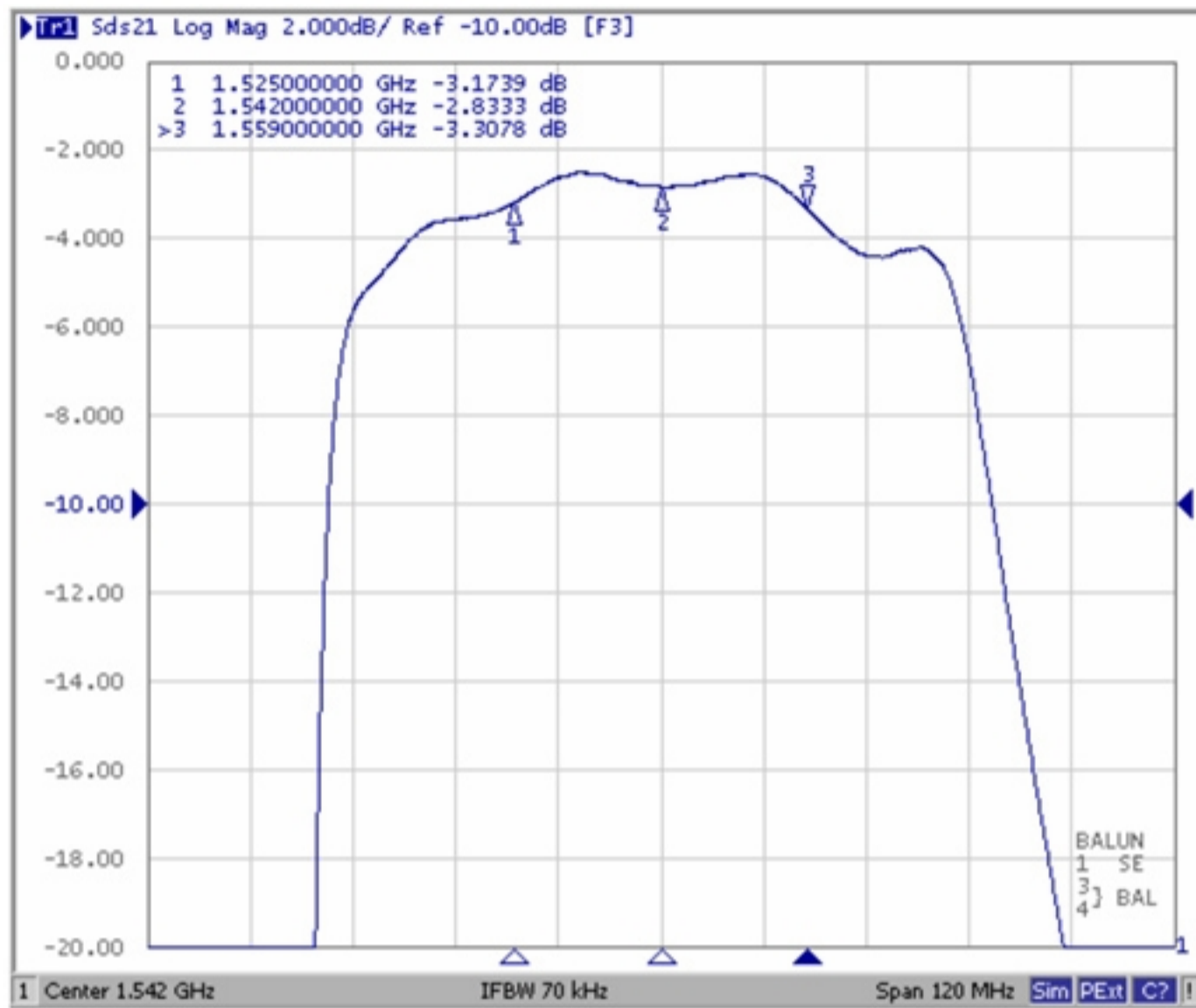
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

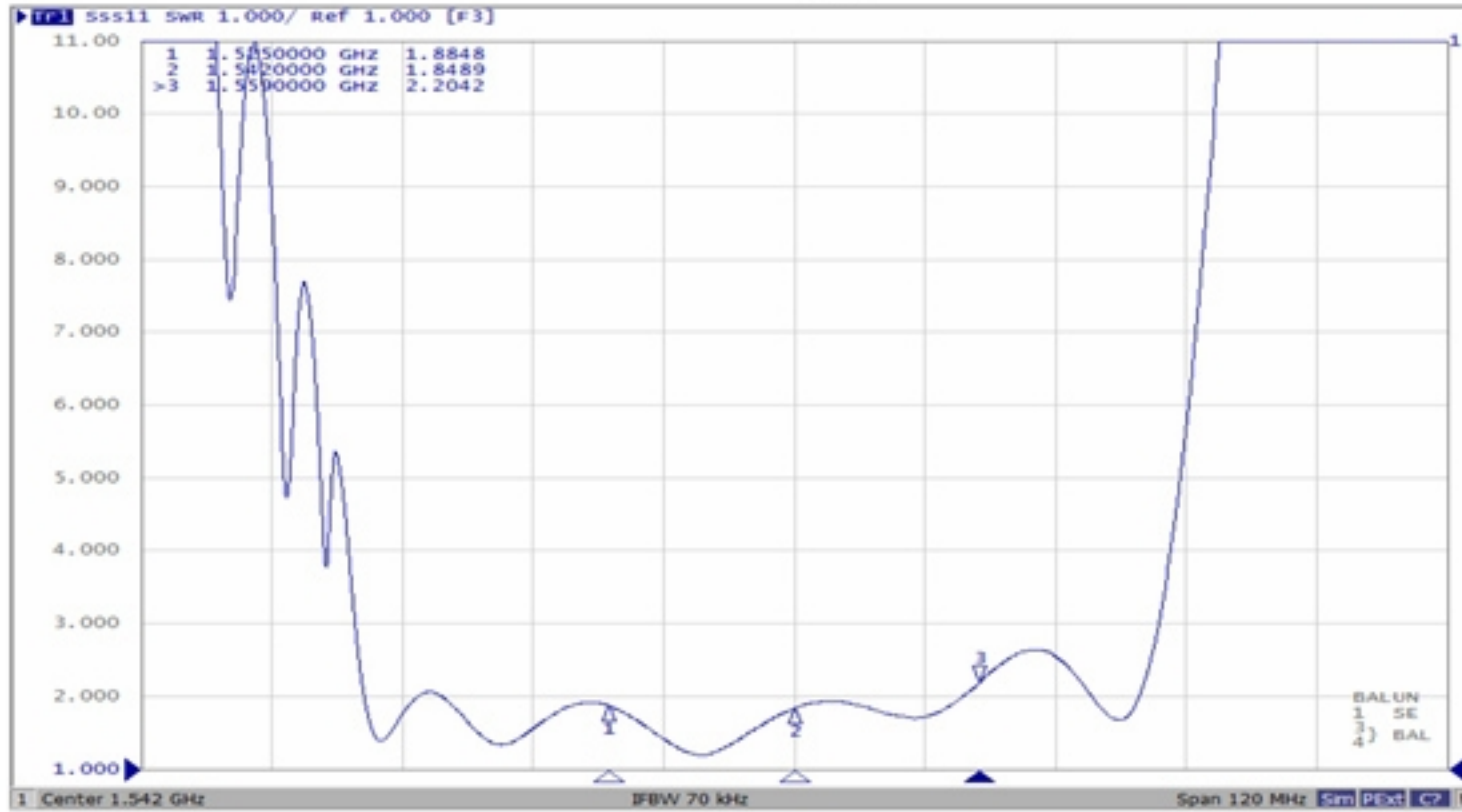


F. Frequency Characteristics:

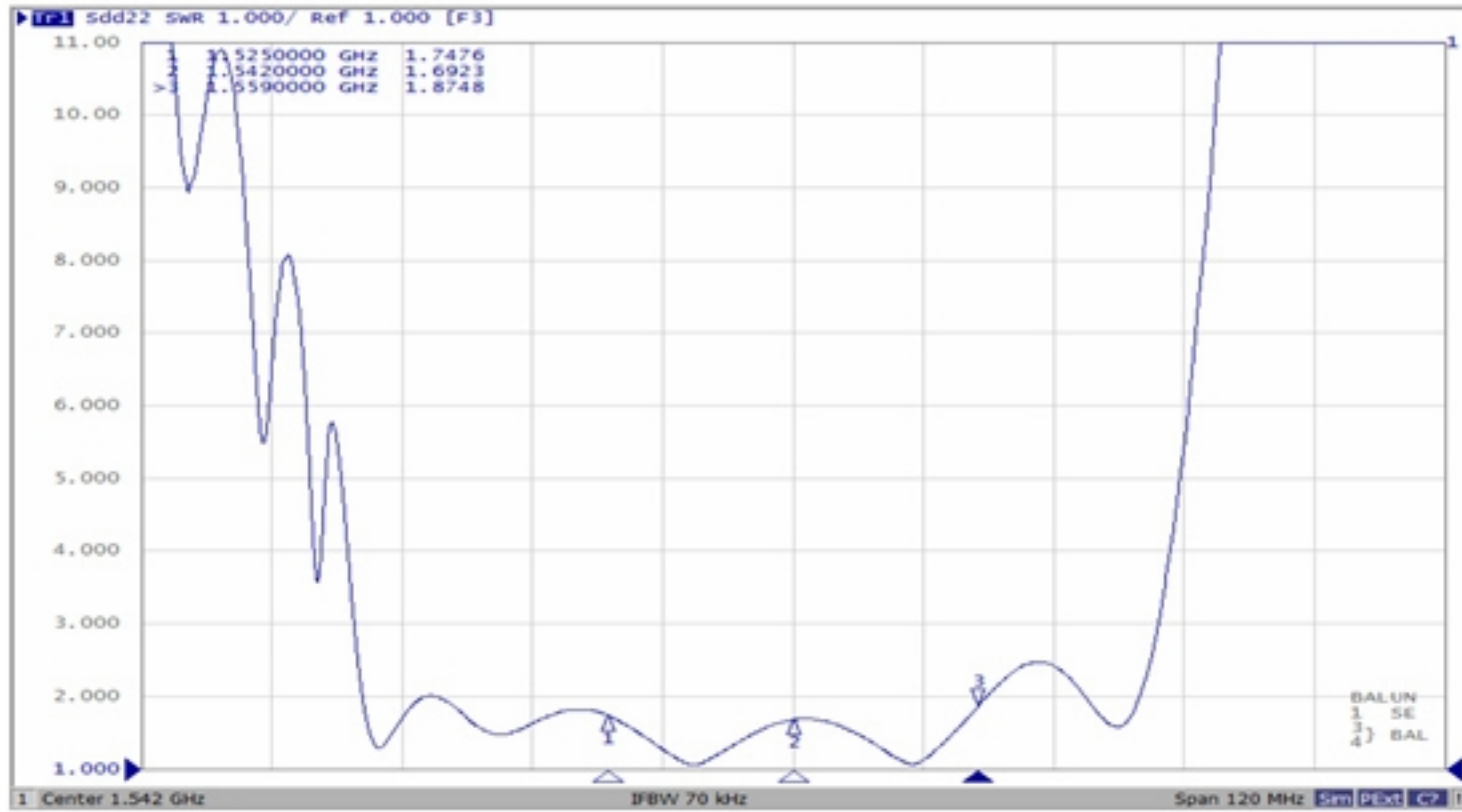


Reflection Functions:

S11



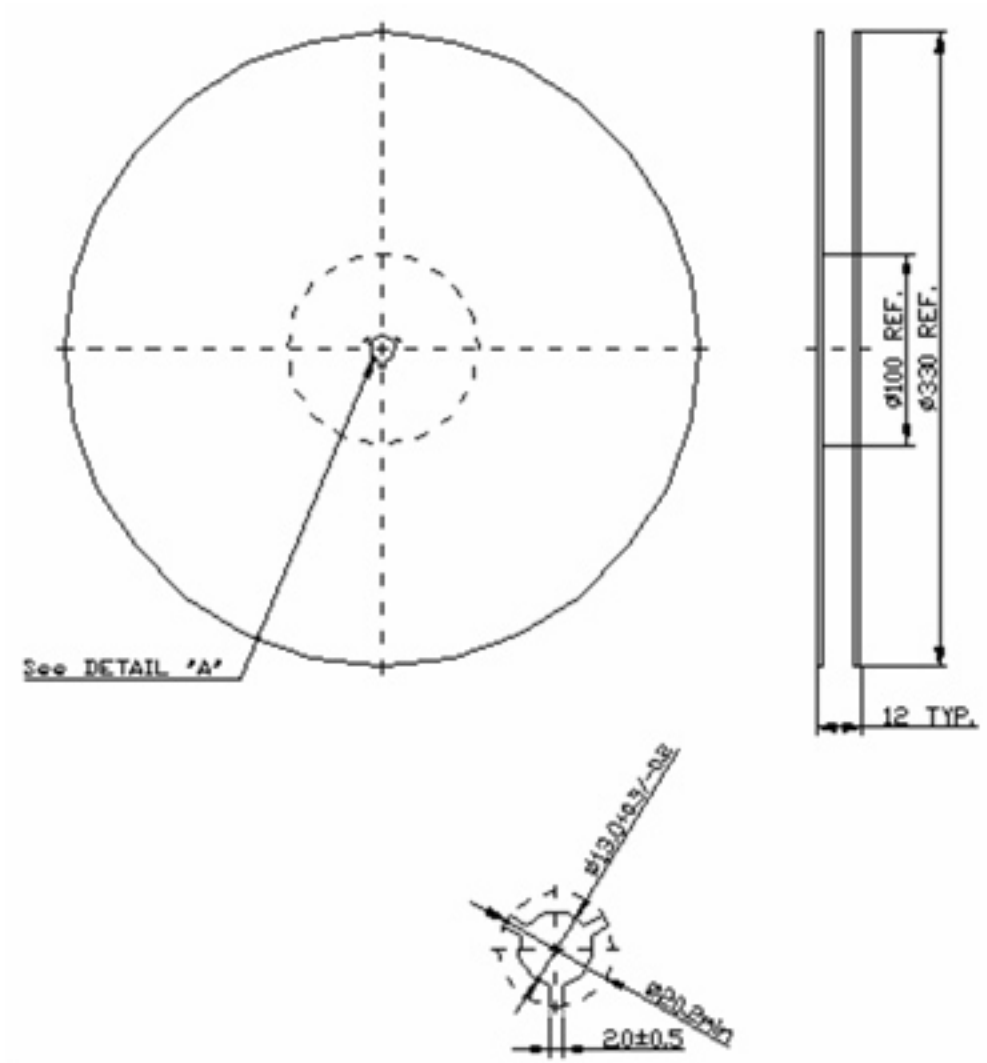
S22



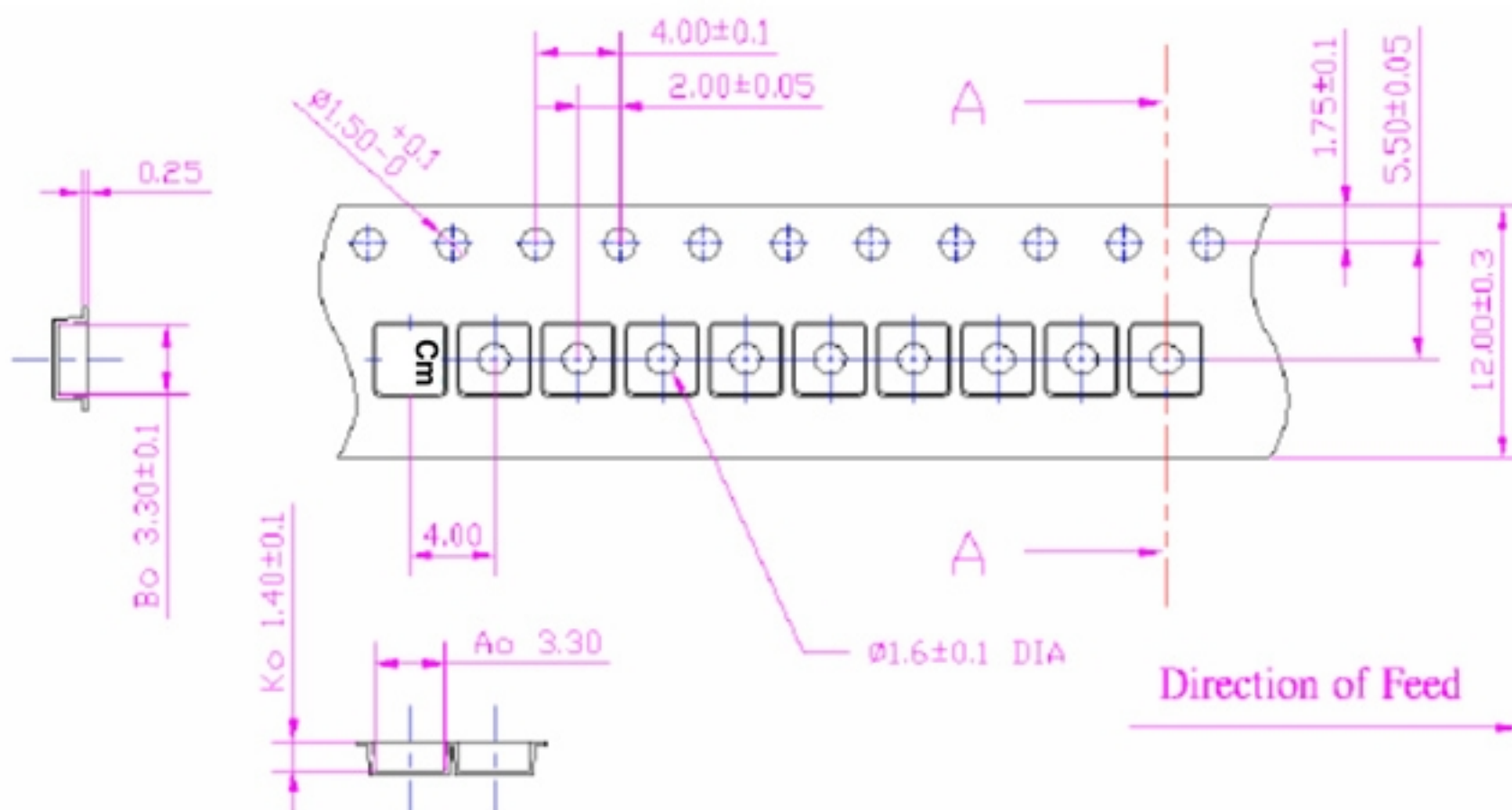
G. PACKING:

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.

