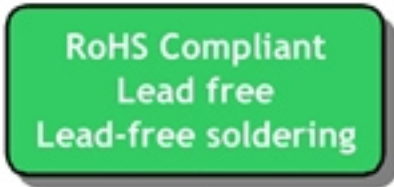


A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: : -30°C to +85°C
4. Storage Temperature: -55°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)



Electrostatic Sensitive Device

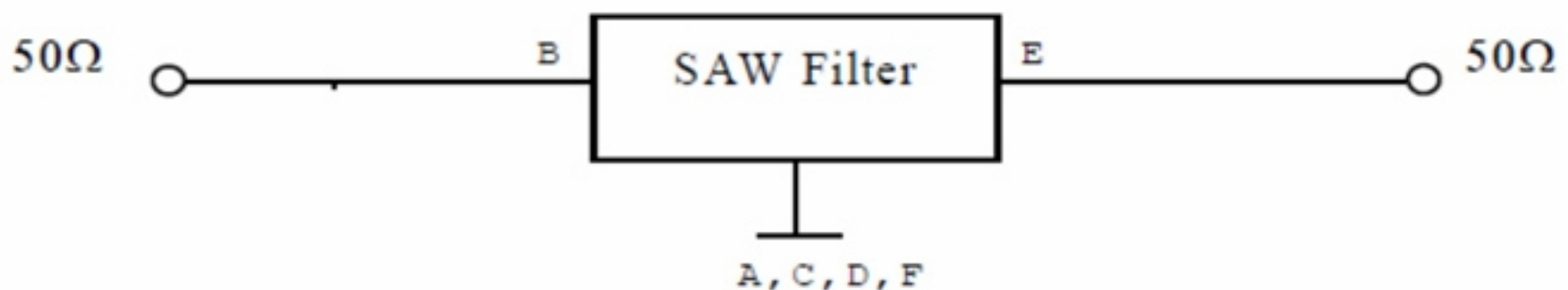
B. ELECTRICAL CHARACTERISTICS:

Ambient Temperature: 25°C

Item	Unit	Min.	Type.	Max.
Center frequency, Fc	MHz	-	389.7	-
Insertion Loss (385.7~393.7 MHz)	dB	-	2.6	4.0
Ripple (385.7~393.7 MHz)	dB	-	0.6	2.0
Absolute Attenuation:(Reference level from 0dB)				
0.3 ~ 368.7 MHz	dB	35	55	-
428.7 ~ 700 MHz	dB	35	48	-
Source impedance Z _s	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. FREQUENCY CHARACTERISTICS :

1. Wideband response

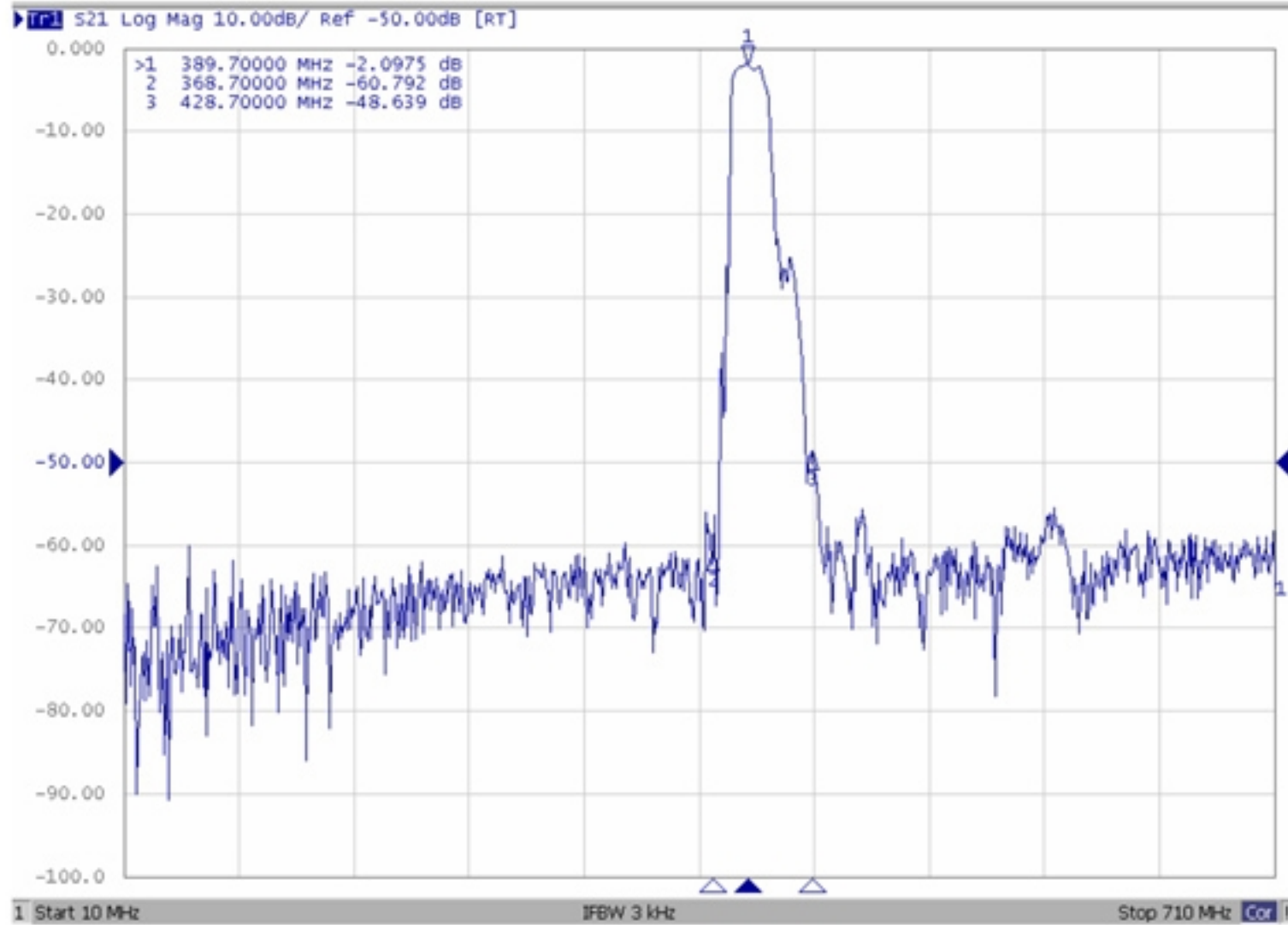


Fig1. Horizontal: 70MHz/Div Vertical: 10dB/Div

2. Narrowband response

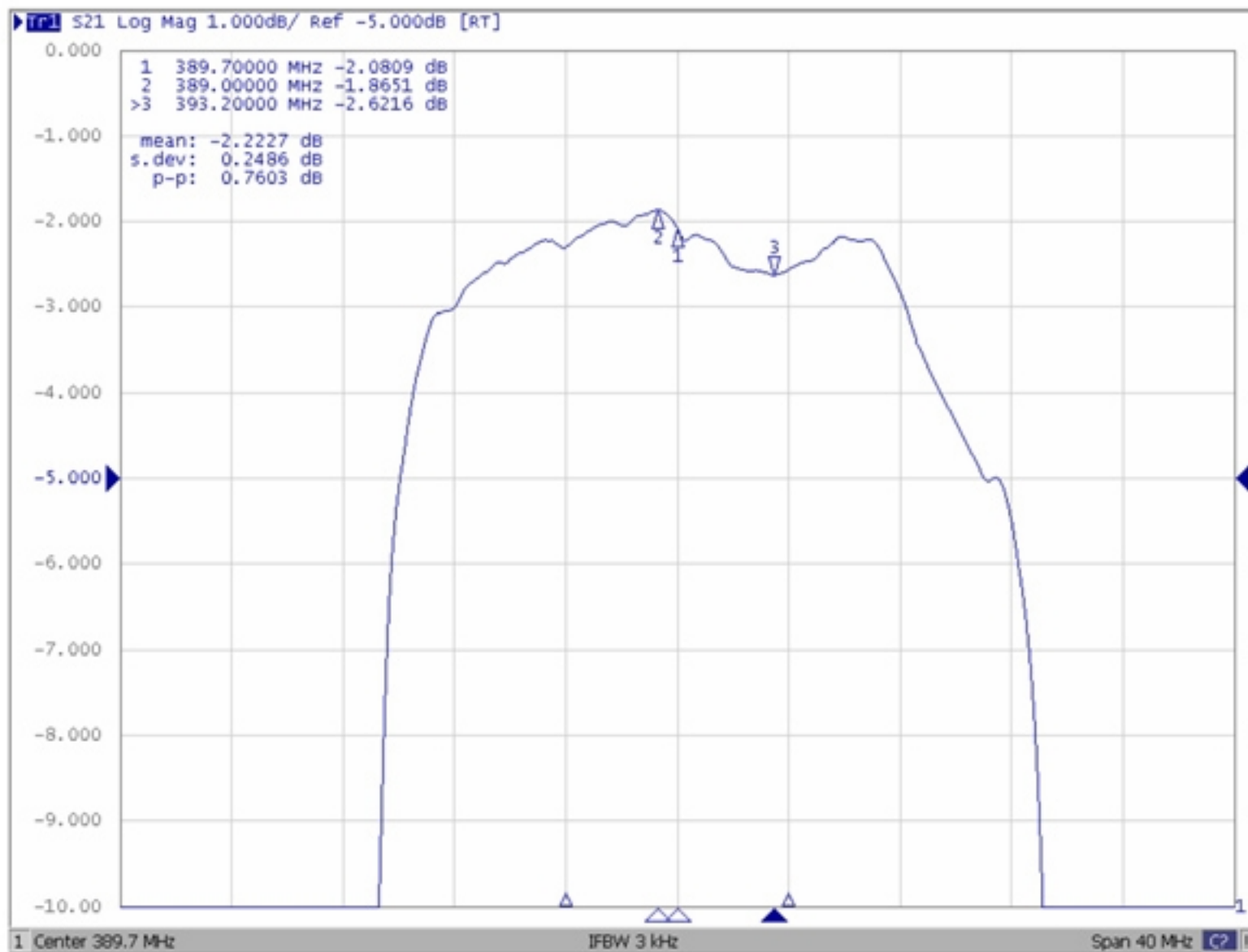
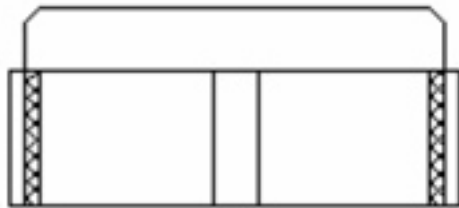
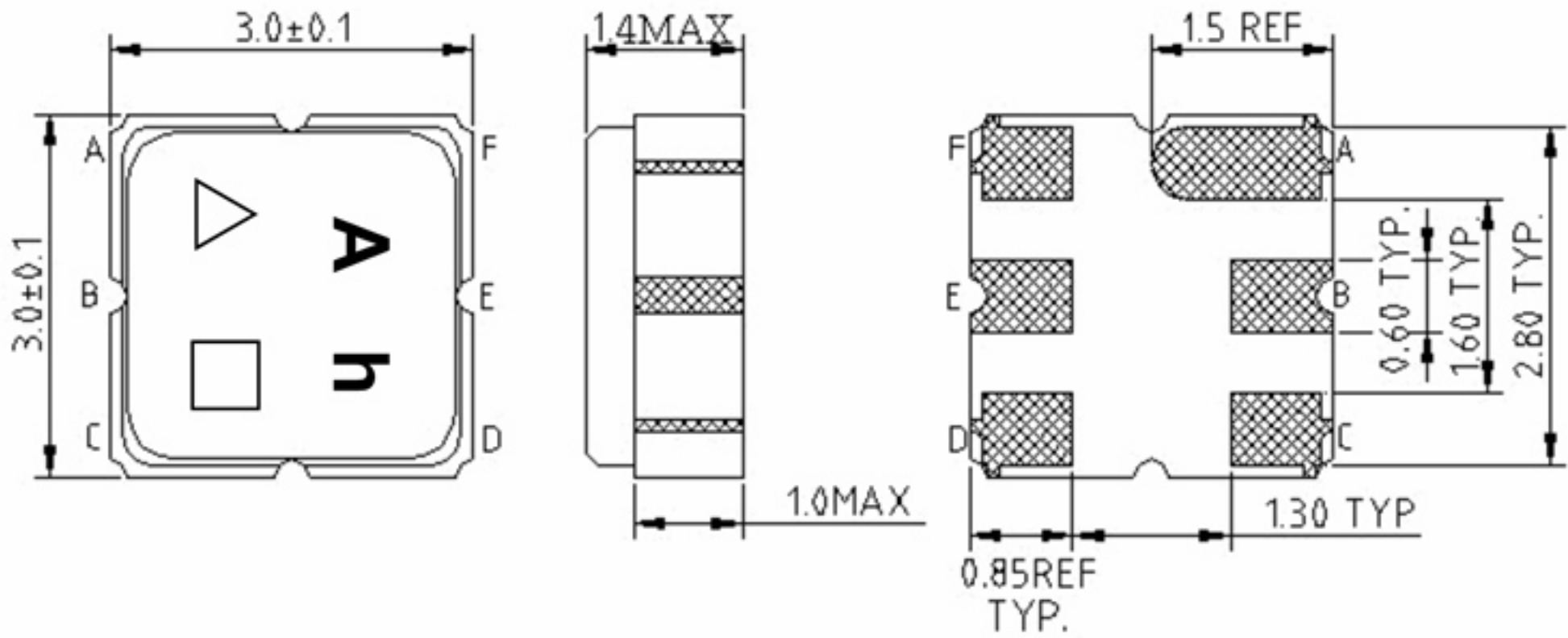


Fig2. Horizontal: 4MHz/Div Vertical: 1dB/Div

E.OUTLINE DRAWING:



- #B: Input
- #E: Output
- #A,C,D,F: Ground
- △: Year code
- : Date code
- Unit: mm

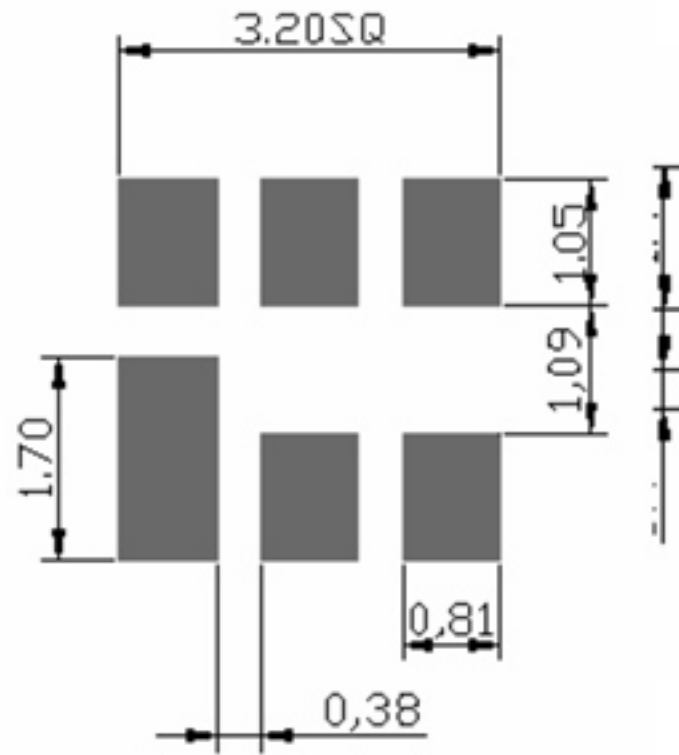
△ Year code :

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

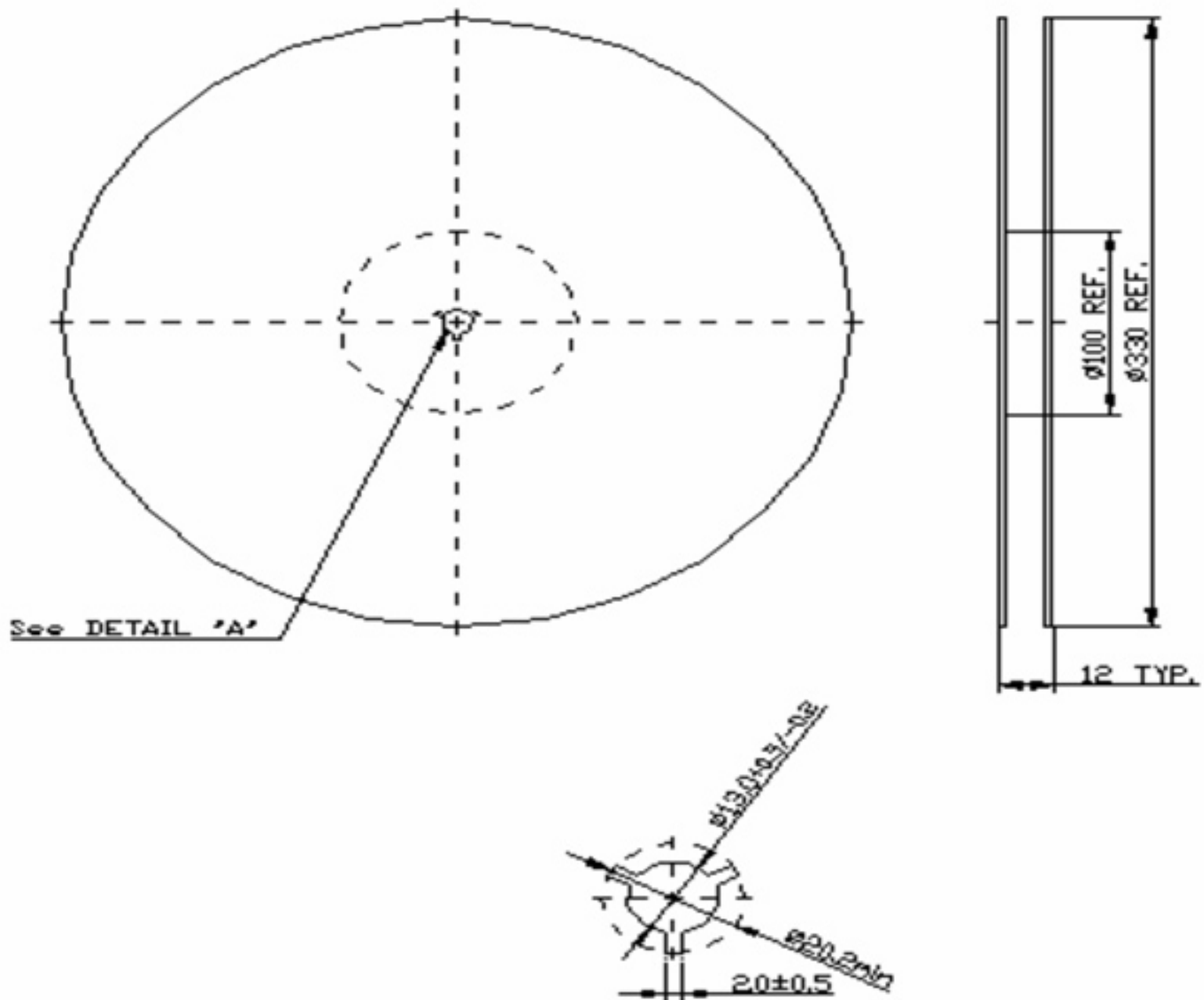
F. PCB FOOTPRINT :



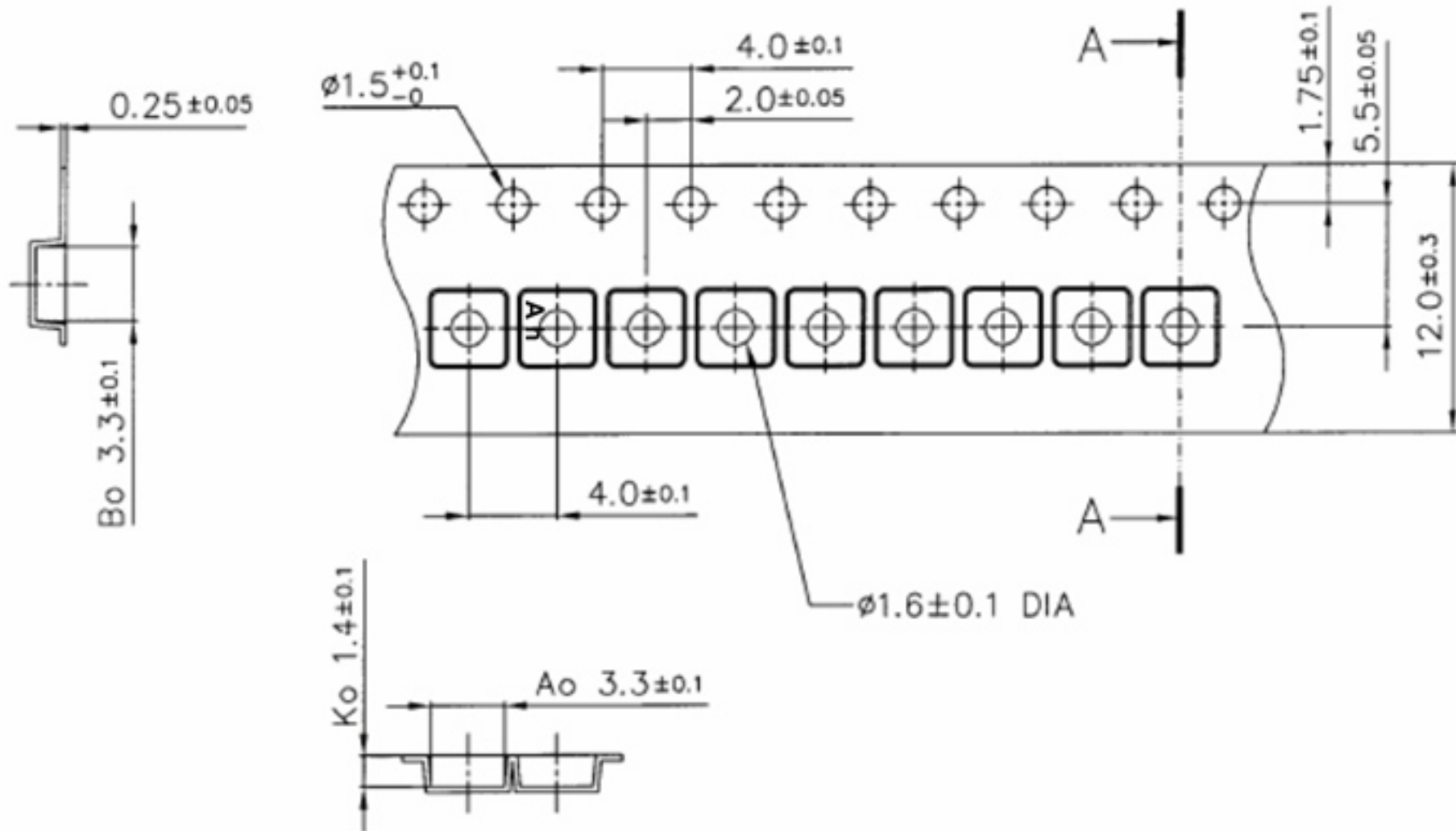
G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity and FR-75M03 for MSL)



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.

