

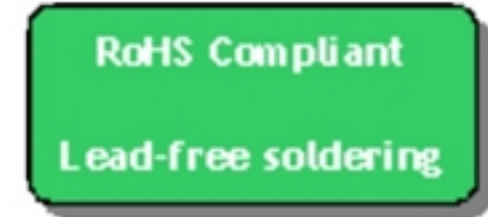
# 793 MHz SAW Band-stop filter (BW 10 MHz) SMD 3.0×3.0mm

MODEL NO.:TE0146A

REV. NO.:1.0

## A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC Voltage : 0 V
3. Operating Temperature: -40 °C to +85 °C
4. Storage Temperature: -40 °C to +85 °C
5. Moisture Sensitive Level: Level 1 (MSL1)



Electrostatic Sensitive Device (ESD)

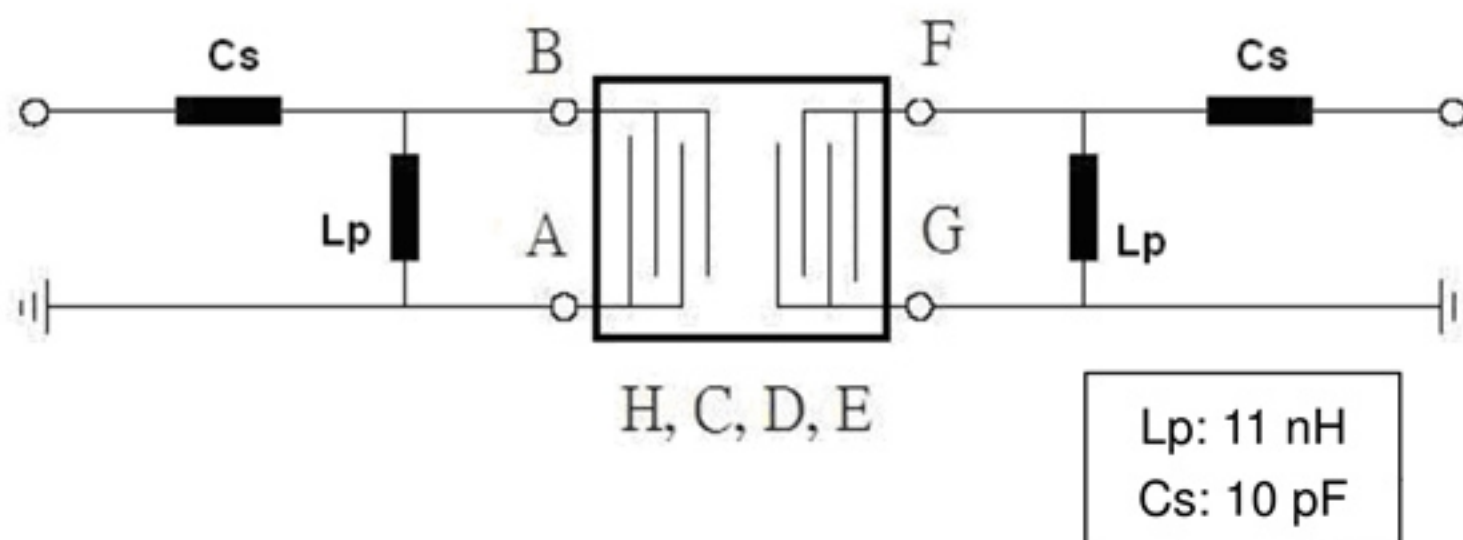
## B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (single) :  $Z_s = 50 \Omega$

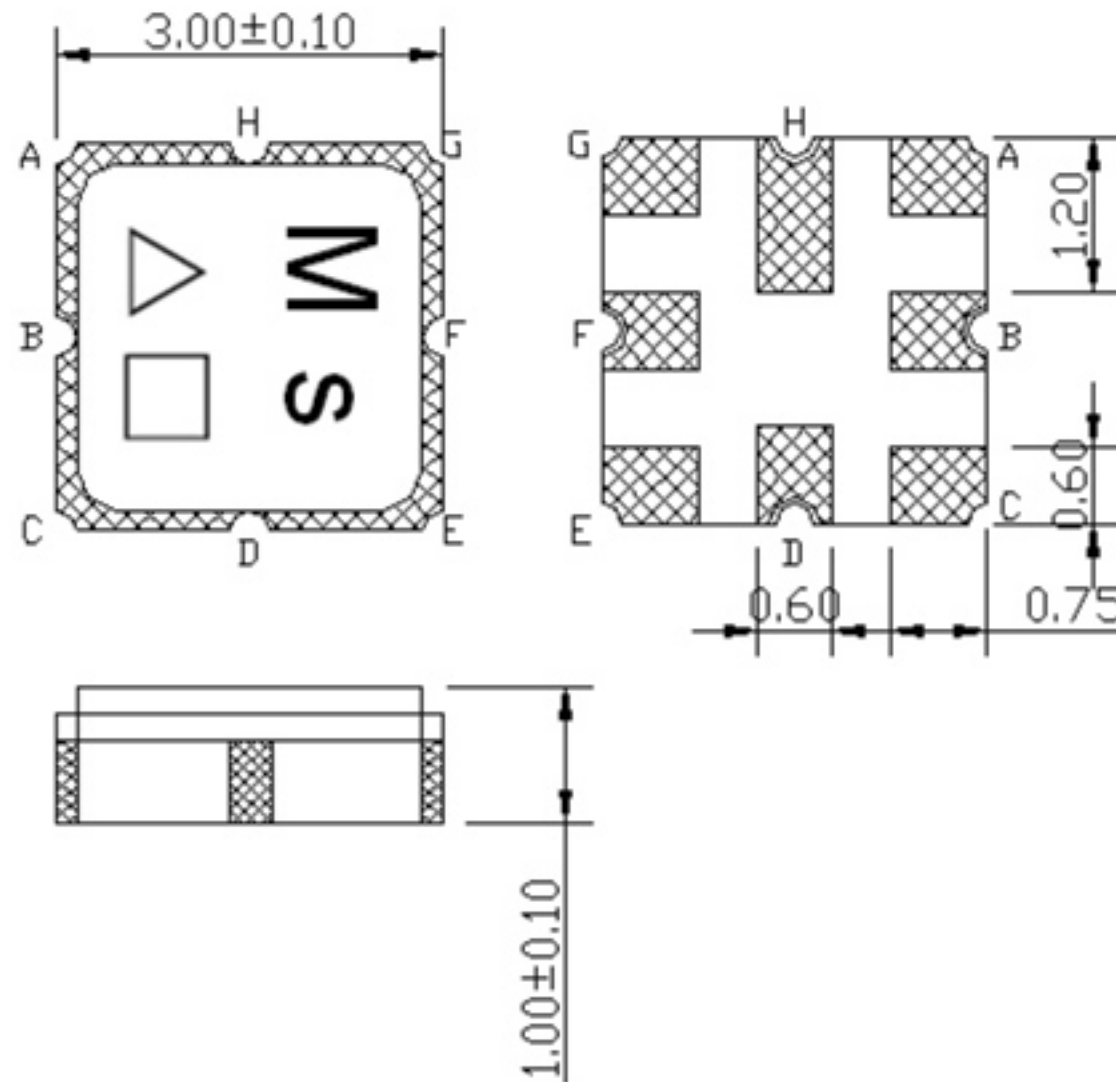
Terminating load impedance(single) :  $Z_L = 50 \Omega$

Item	Unit	Min.	Typ.	Max.
<b>Center frequency</b>	MHz	-	793	-
<b>Maximum Insertion Loss</b>				
500 ~ 778 MHz	dB	-	1.6	2.0
808 ~ 830 MHz	dB	-	2.8	3.5
830 ~ 1500 MHz	dB	-	2.3	3.5
1500 ~ 2000 MHz	dB	-	3.2	4.0
2000 ~ 2600 MHz	dB	-	4.2	4.5
<b>Attenuation (reference from 0dB)</b>				
788 ~ 798 MHz (At -10°C to +60°C)	dB	10	18	-
788 ~ 798 MHz (At -40°C to +85°C)	dB	8	18	-
<b>Source impedance</b> $Z_s$	$\Omega$	-	50	-
<b>Load impedance</b> $Z_L$	$\Omega$	-	50	-

## C. TEST CIRCUIT:



**D. OUTLINE DRAWING:**



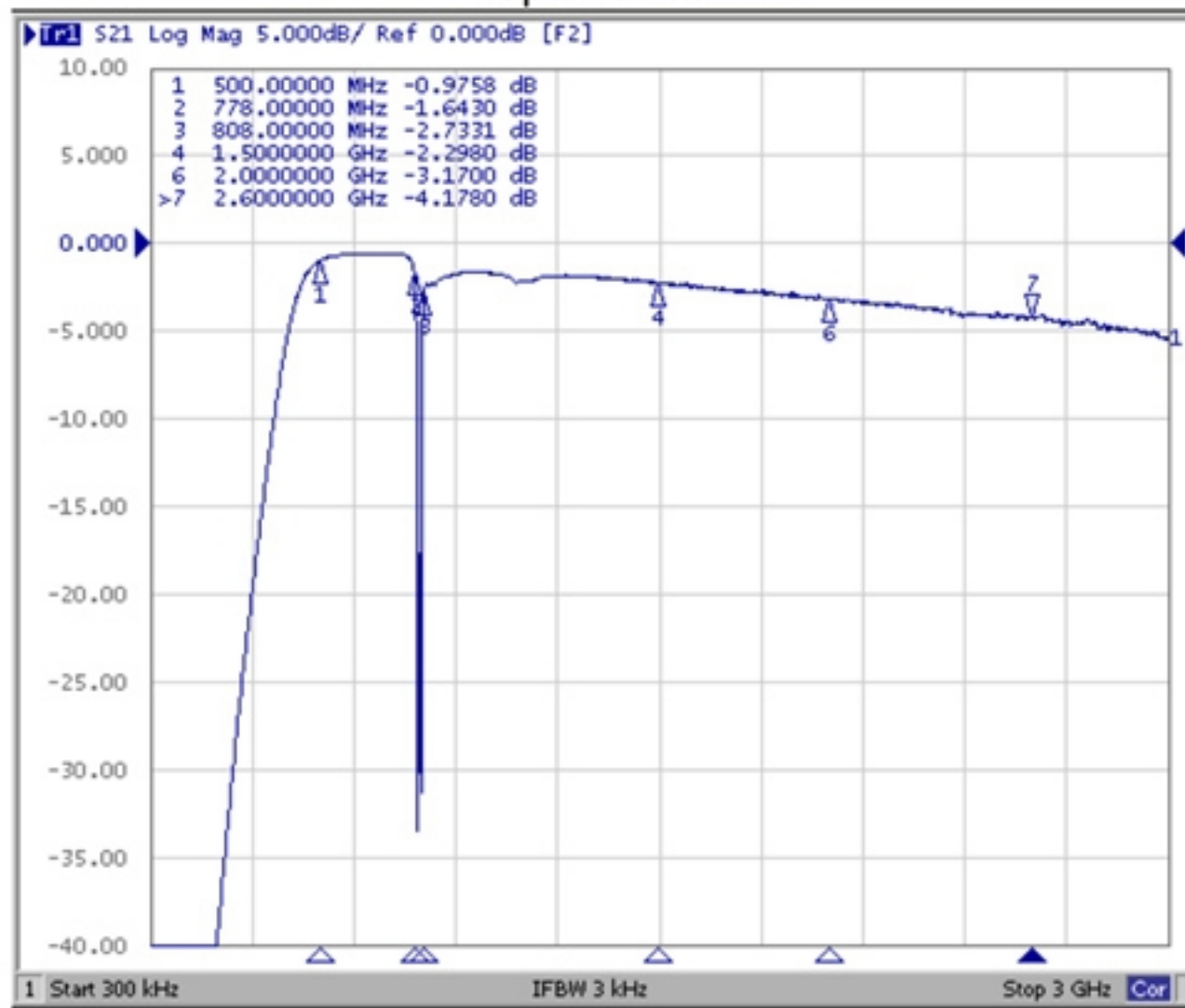
△ : Year Code (2009->9, 2010->0, ..., 2018->8)

□ : Date Code (Follow the table from planner each year)

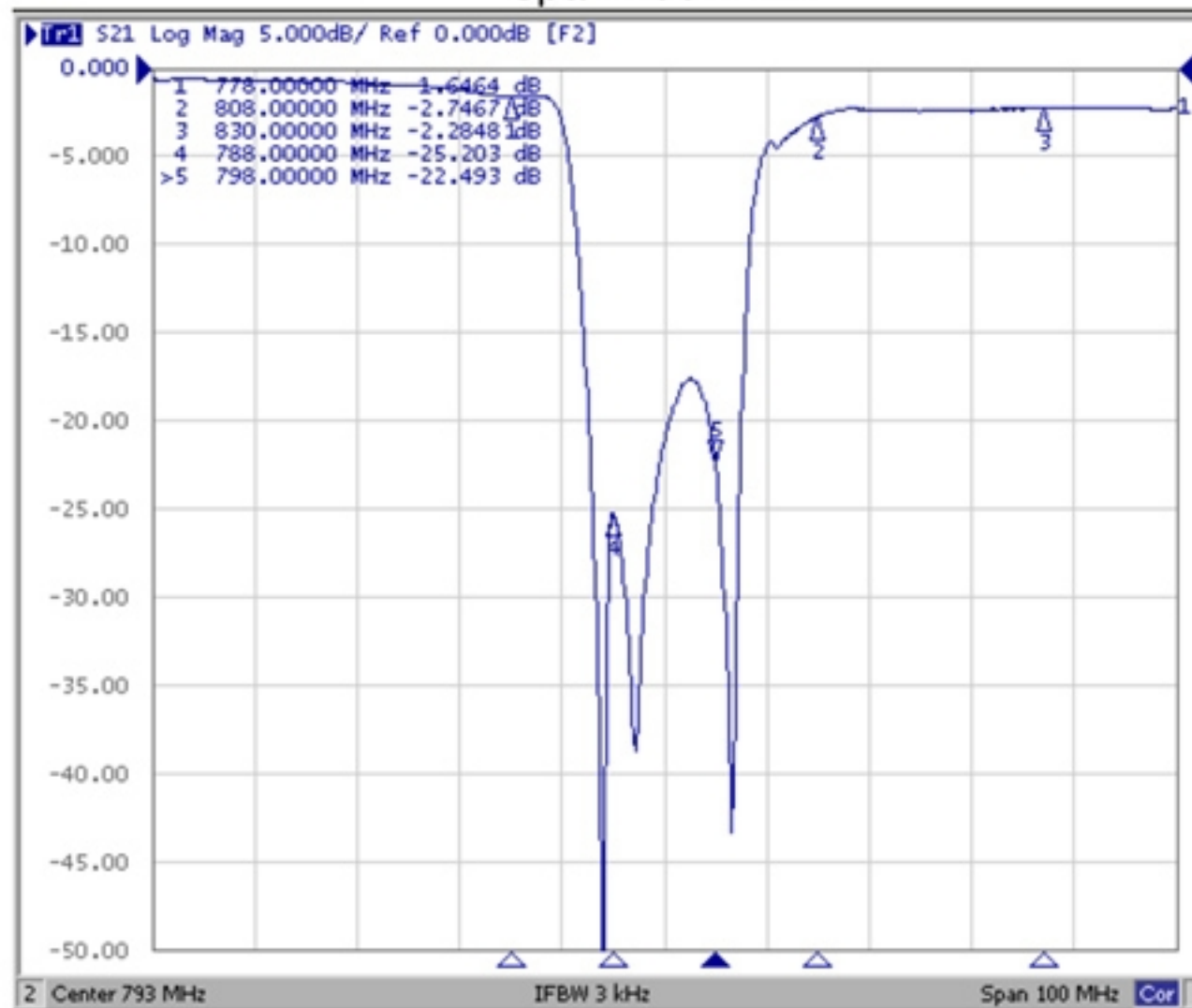
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

## E. Frequency Characteristics:

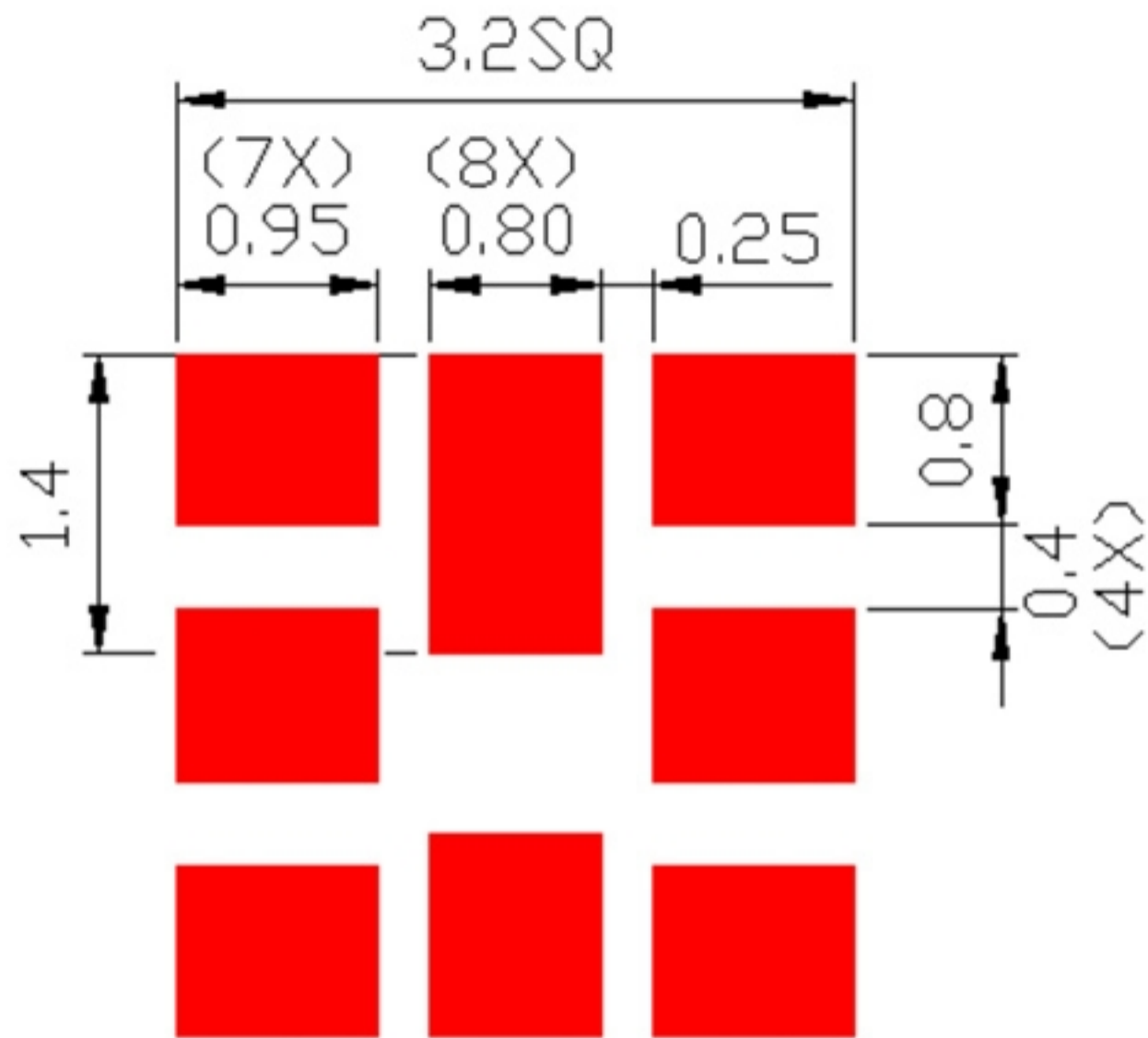
### Span 3000 MHz



### Span 100 MHz



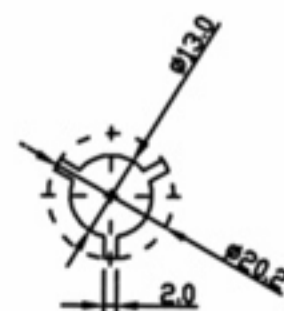
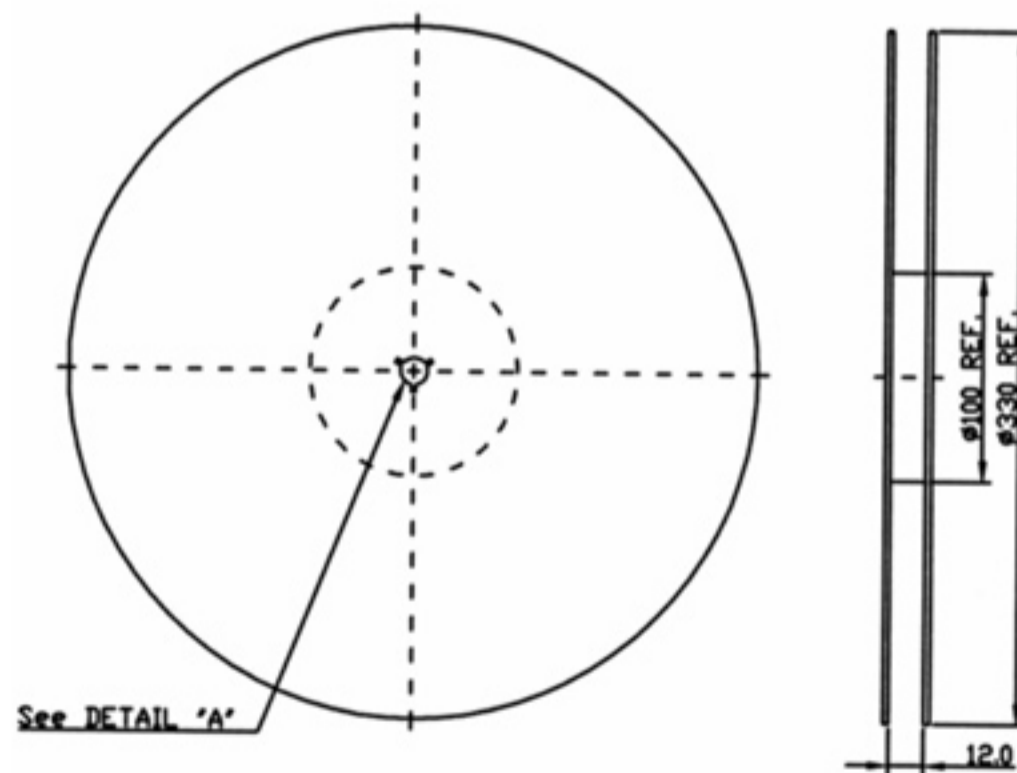
**F. PCB FOOTPRINT:**



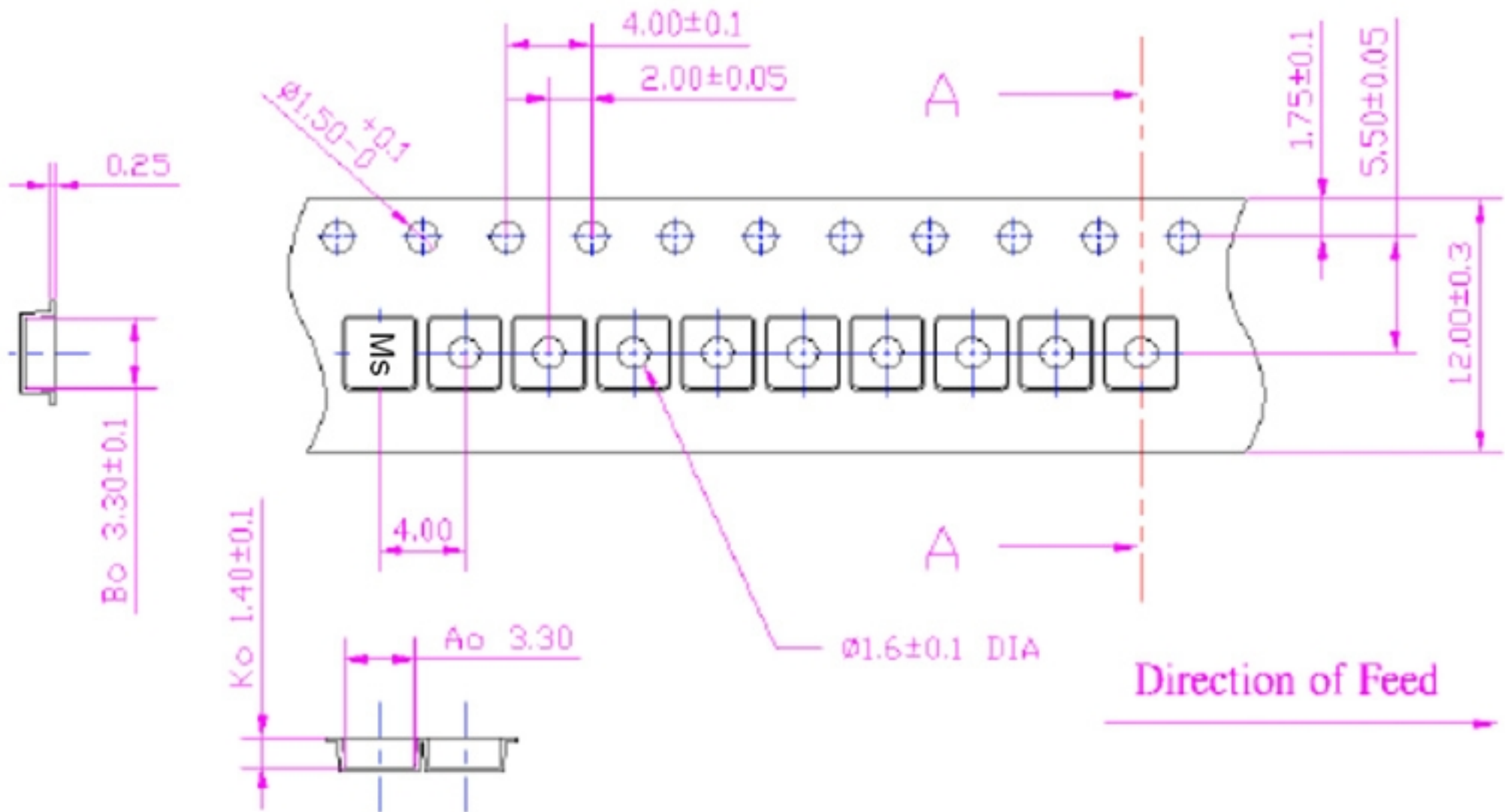
**G. PACKING:**

**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  $150^\circ\text{C}$  shall be 30 seconds min.
3. Heating shall be fixed at  $220^\circ\text{C}$  for 50~80 seconds and at  $260^\circ\text{C} \pm 5^\circ\text{C}$  peak (20~40sec).
4. Time: 2 times.

