SAW Filter 1234.4 MHz

MODEL NO.:TA2389A REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3 V
3. Operating Temperature: -40℃ to +85℃
4. Storage Temperature: -40℃ to +85℃
5. Moisture Sensitivity Level: Level 1 (**MSL1**)

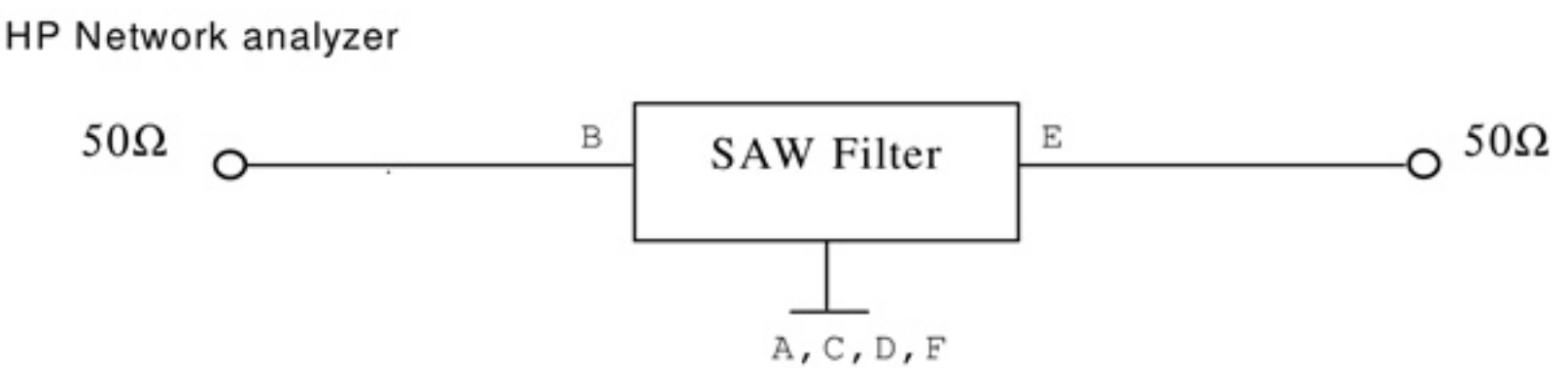
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic **S**ensitive **D**evice (**ESD**)

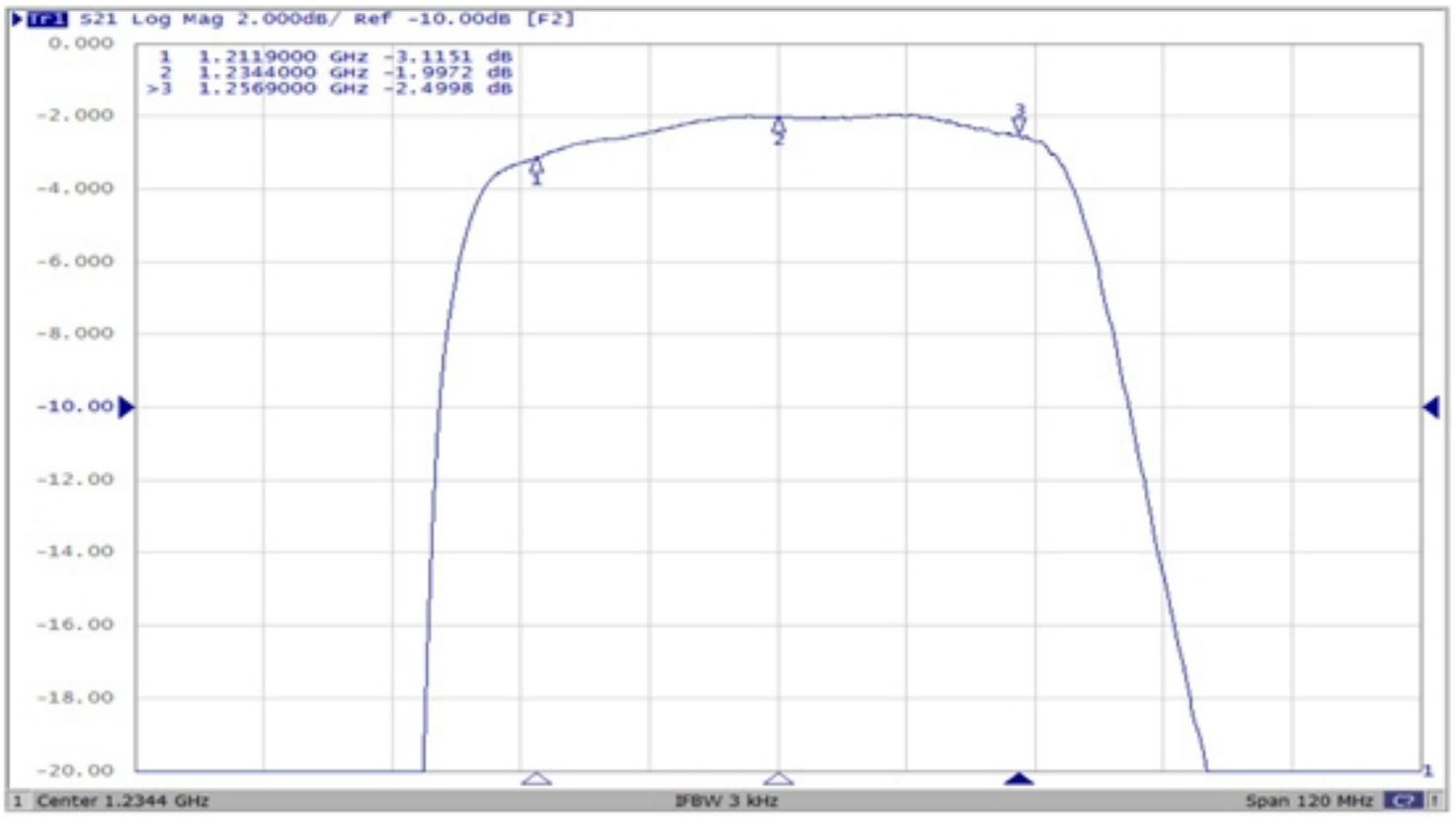
B. ELECTRICAL CHARACTERISTICS:

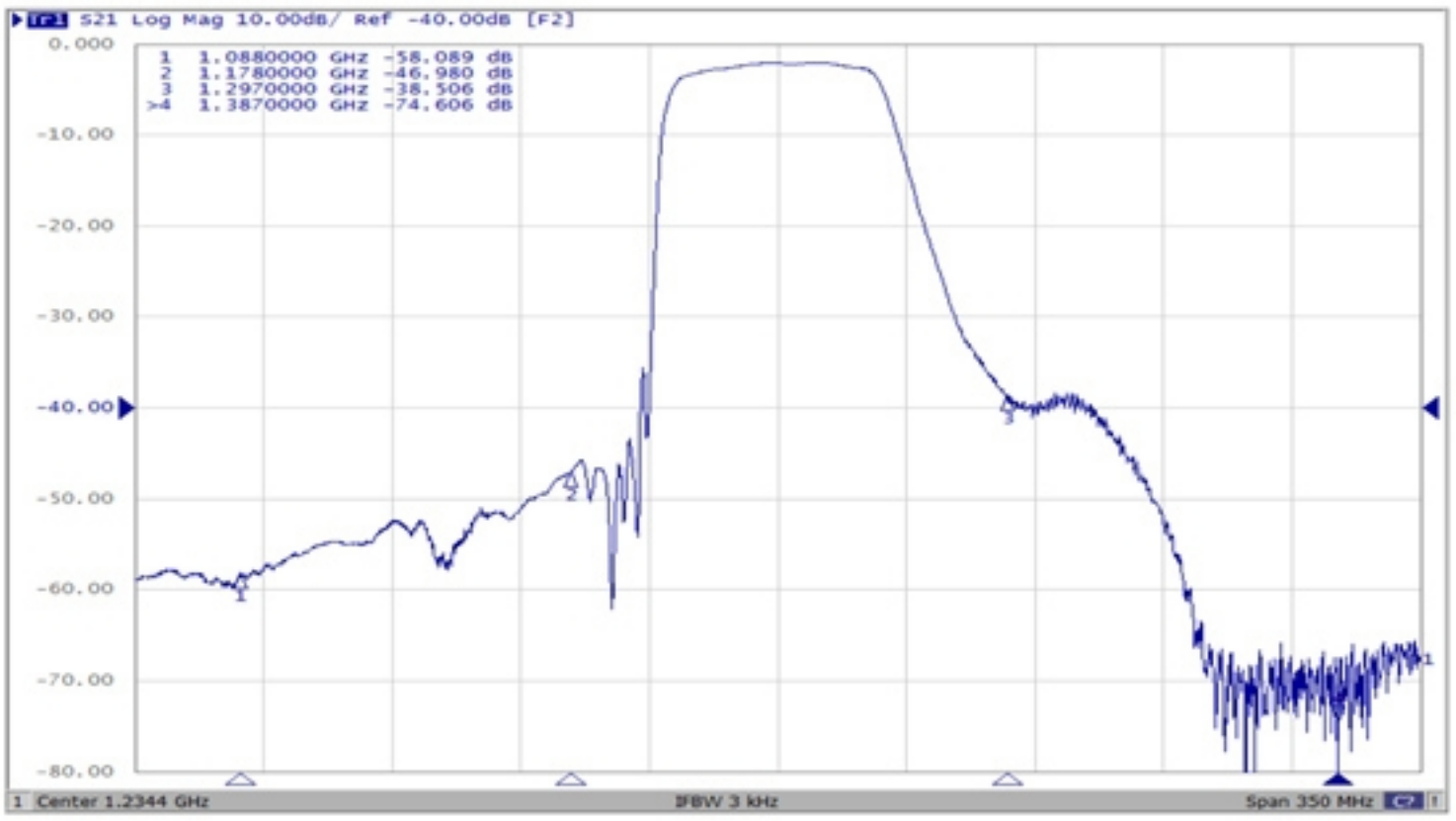
Item		Unit	Min.	Typ.	Max.
Center frequency	**Fc**	MHz	-	1234.4	-
Insertion loss (1211.9~1256.9 MHz)	**IL**	dB	-	3.1	4.8
Amplitude Ripple (1211.9~1256.9 MHz)		dB	-	1.2	2.8
Group delay ripple (1211.9~1256.9 MHz)		ns	-	20	120
Attenuation (Reference level from 0 dB)					
10 ~ 1088 MHz		dB	40	57	-
1088 ~ 1178 MHz		dB	25	46	-
1297 ~ 1387 MHz		dB	25	38	-
1387 ~ 2000 MHz		dB	35	48	-
2000 ~ 3000 MHz		dB	17	27	-
Temperature coefficient of frequency		ppm/k	-	-36	-

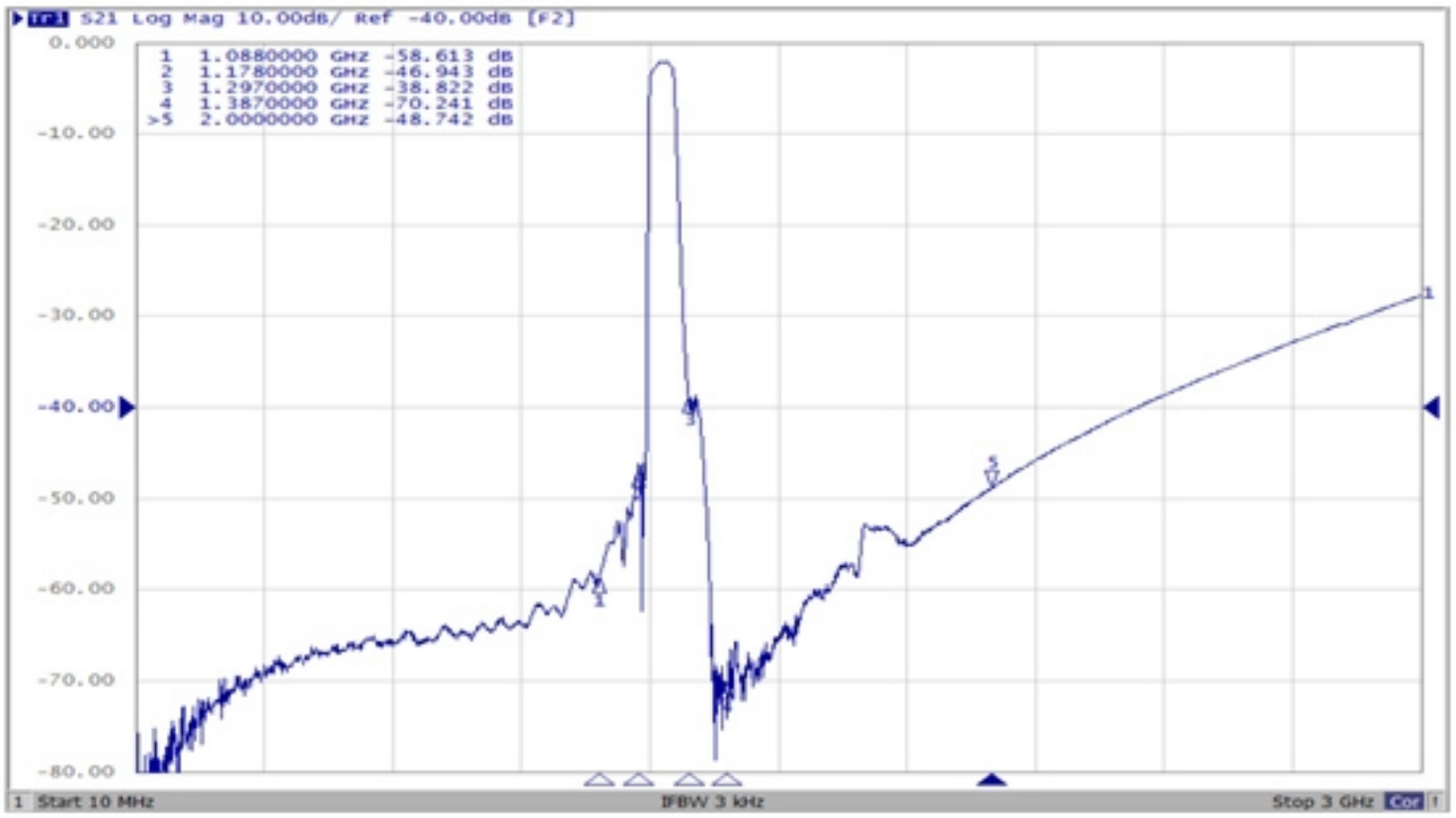
C. MEASUREMENT CIRCUIT:



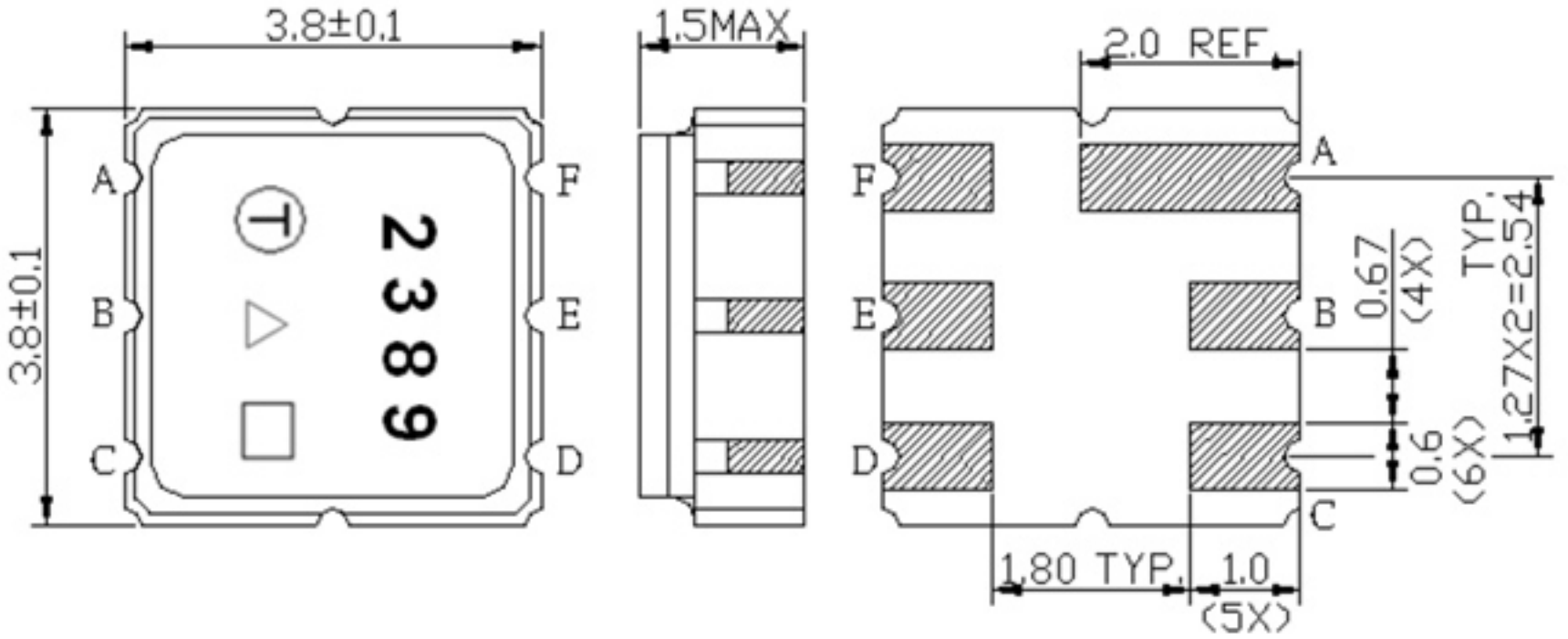
D. Frequency Characteristics:







E. OUTLINE DRAWING:



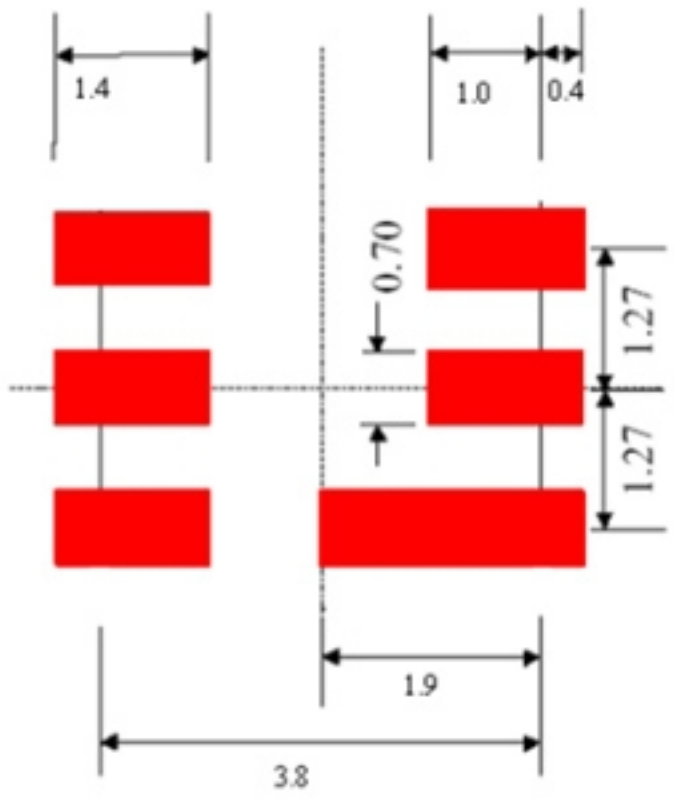
Product Year Code

Year	2009 2013 2017	2010 2014 2018	2011 2015 2019	2012 2016 2020
Product Code	A	a	A	a

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

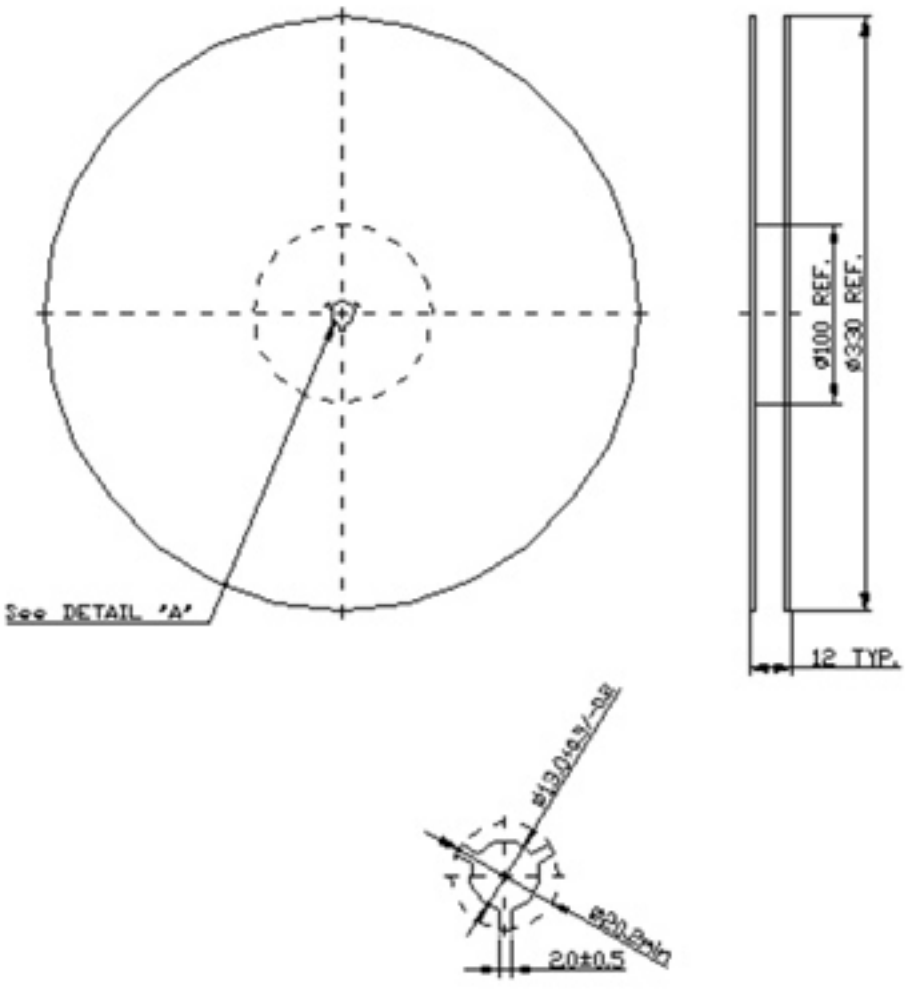
F. PCB Footprint:



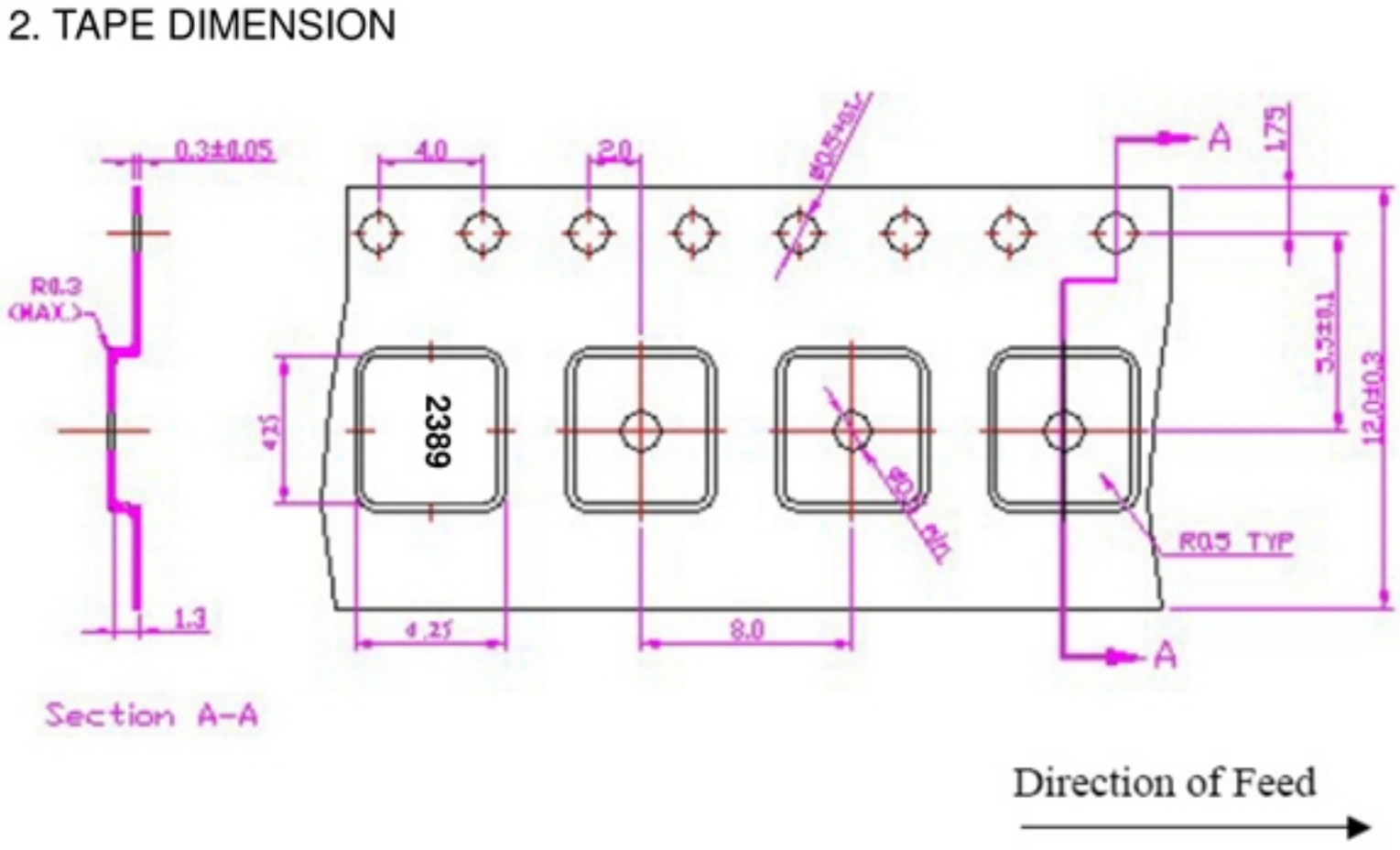
G. PACKING: (Ref. WI-75M03)

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.