



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: SAW Filter 345 MHz 0.8MHz B.W SMD 3.8×3.8 mm

TST Part No.: TA1515A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Michael Yang *Michael 8/16/12*

Approved by: _____ Francis *FB*

Date: _____ 2012/08/16

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 345 MHz

MODEL NO.:TA1515A

REV. NO.:2

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℃

RoHS Compliant
Lead free
Lead-free soldering

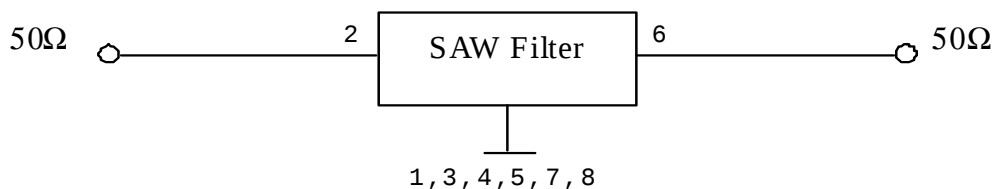
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

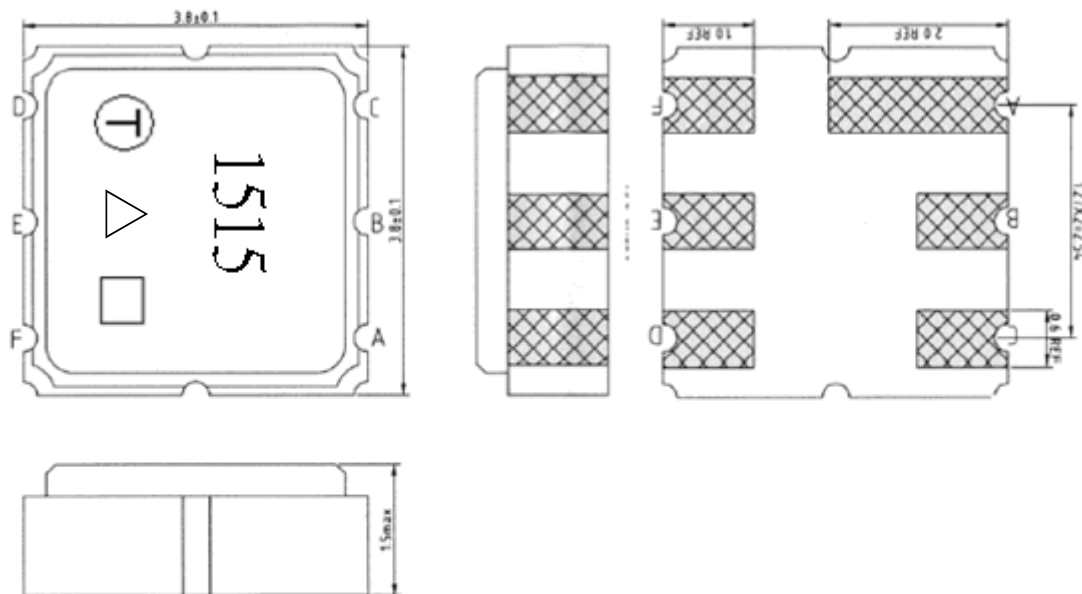
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	345	-
Insertion Loss (344.6~345.4 MHz) IL	dB	-	2.3	3.3
Amplitude ripple (344.6~345.4 MHz)	dB	-	0.4	1.3
Attenuation (Reference level from 0)				
10 ~ 320 MHz	dB	50	60	-
320 ~ 325 MHz	dB	50	55	
325 ~ 333.5 MHz	dB	35	40	
333.5 ~ 335 MHz	dB	50	55	
335 ~ 337 MHz	dB	40	45	
354 ~ 362 MHz	dB	25	30	-
362 ~ 370 MHz	dB	38	42	-
370 ~ 700 MHz	dB	50	55	-
700 ~ 1000 MHz	dB	32	42	-
Temperature Coefficient of Frequency	Ppm/℃	-	-30	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



- #E : Input or Output
- #B : Output or Input
- #A、C、D、F : Ground
- △ : Year Code
- : Data Code(Follow the table provided by planer each year)

Date Code Table

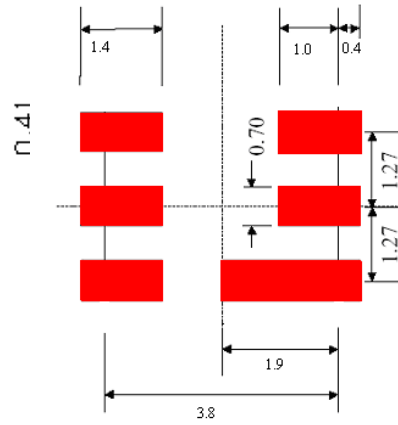
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

△ Year code : See the table

Product Year Code

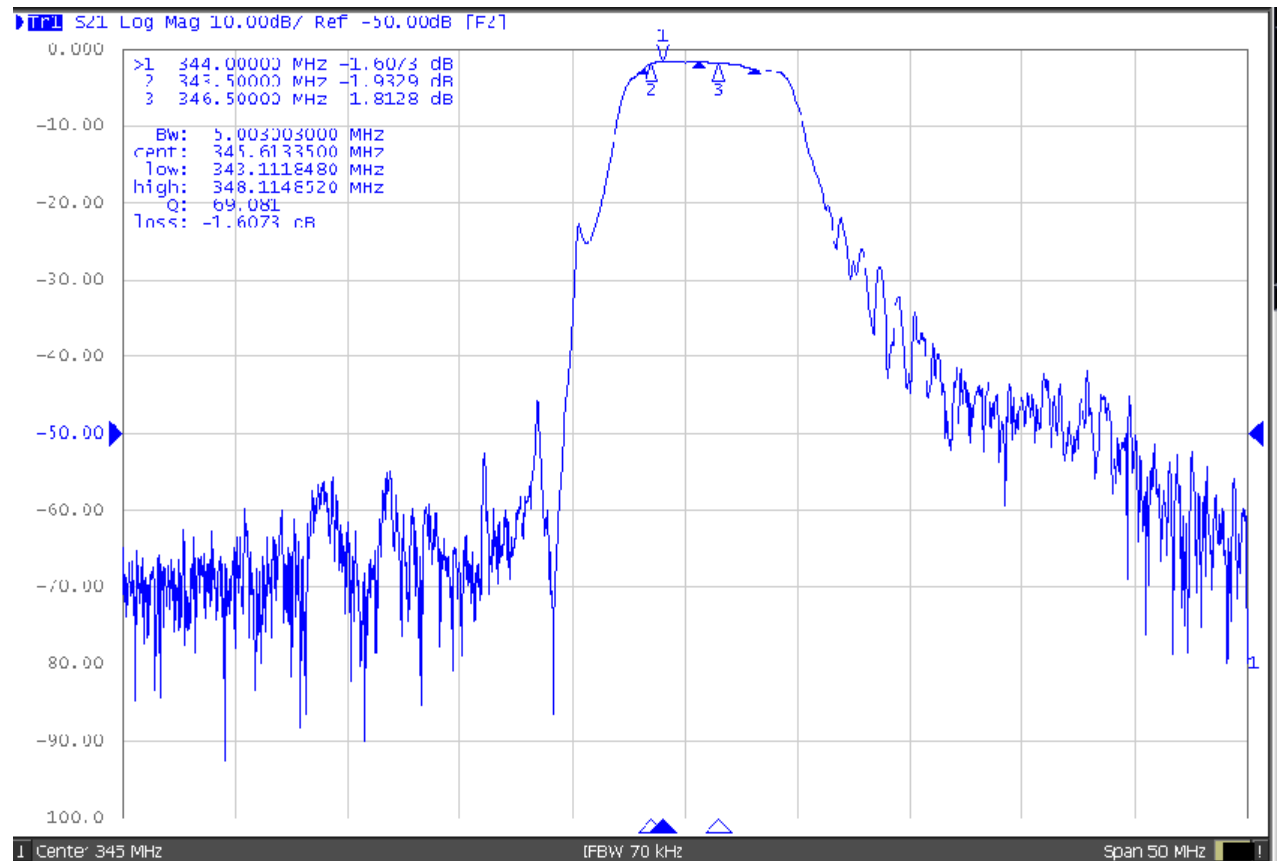
Year	2011+ 2013+	2012+ 2014+
Product Code	A	a

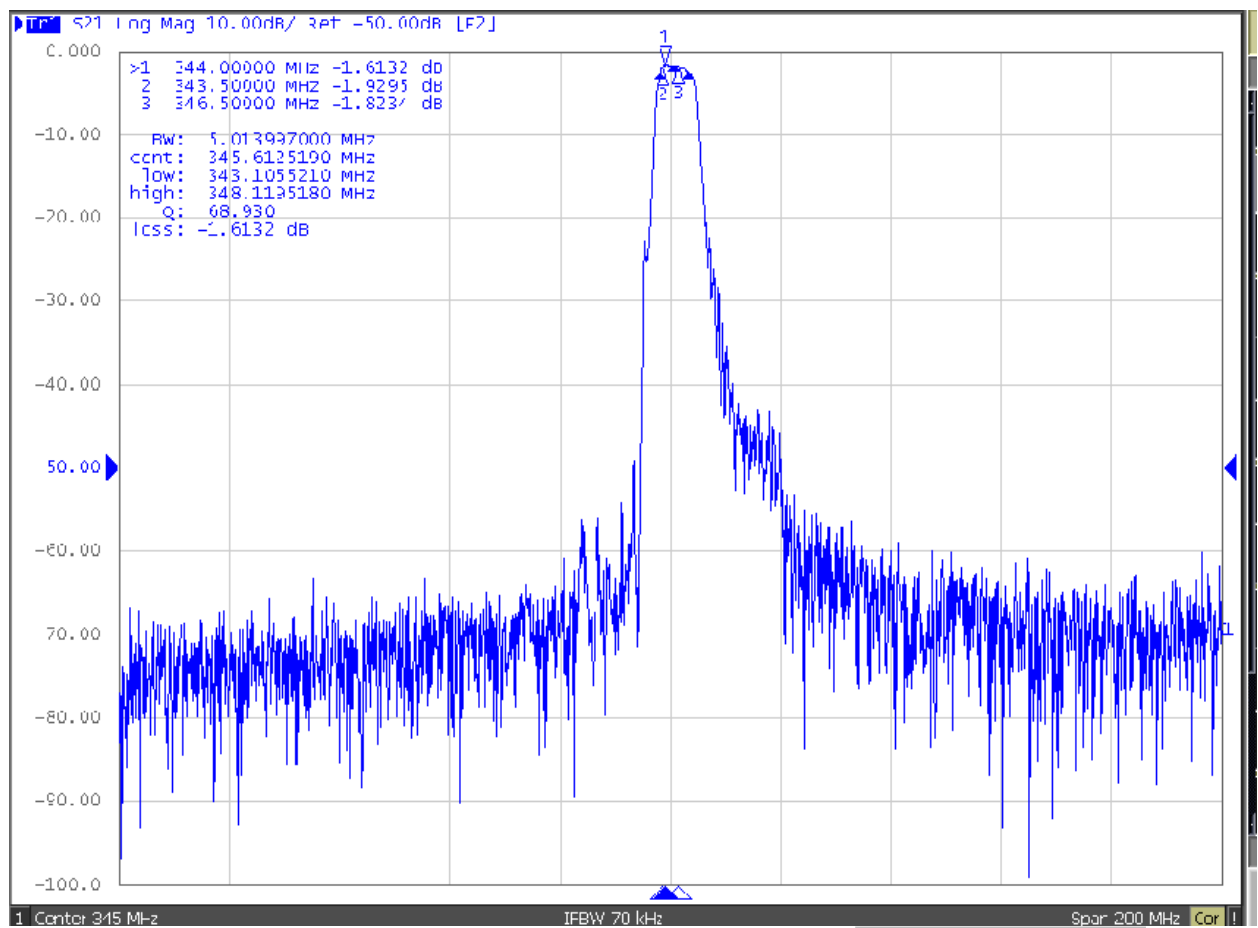
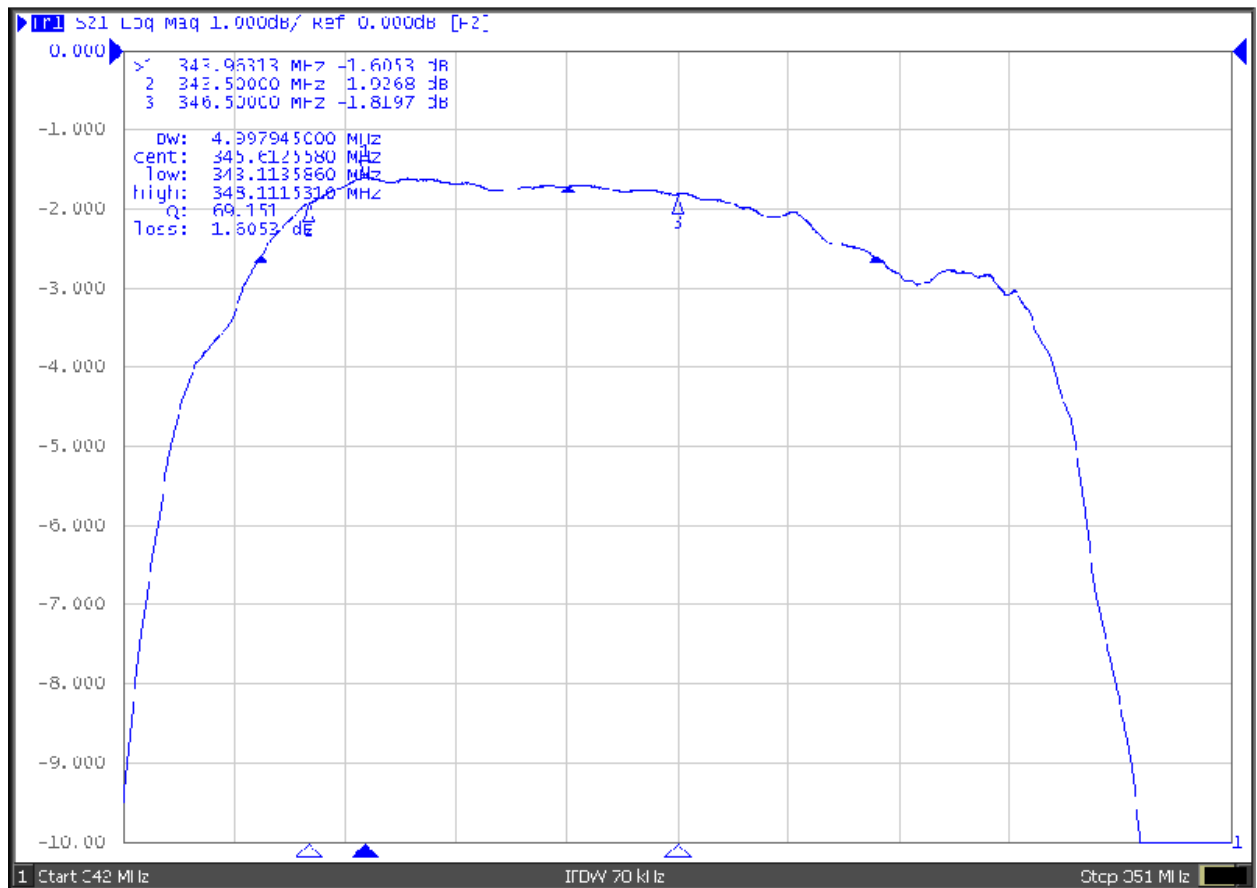
E. PCB Footprint:



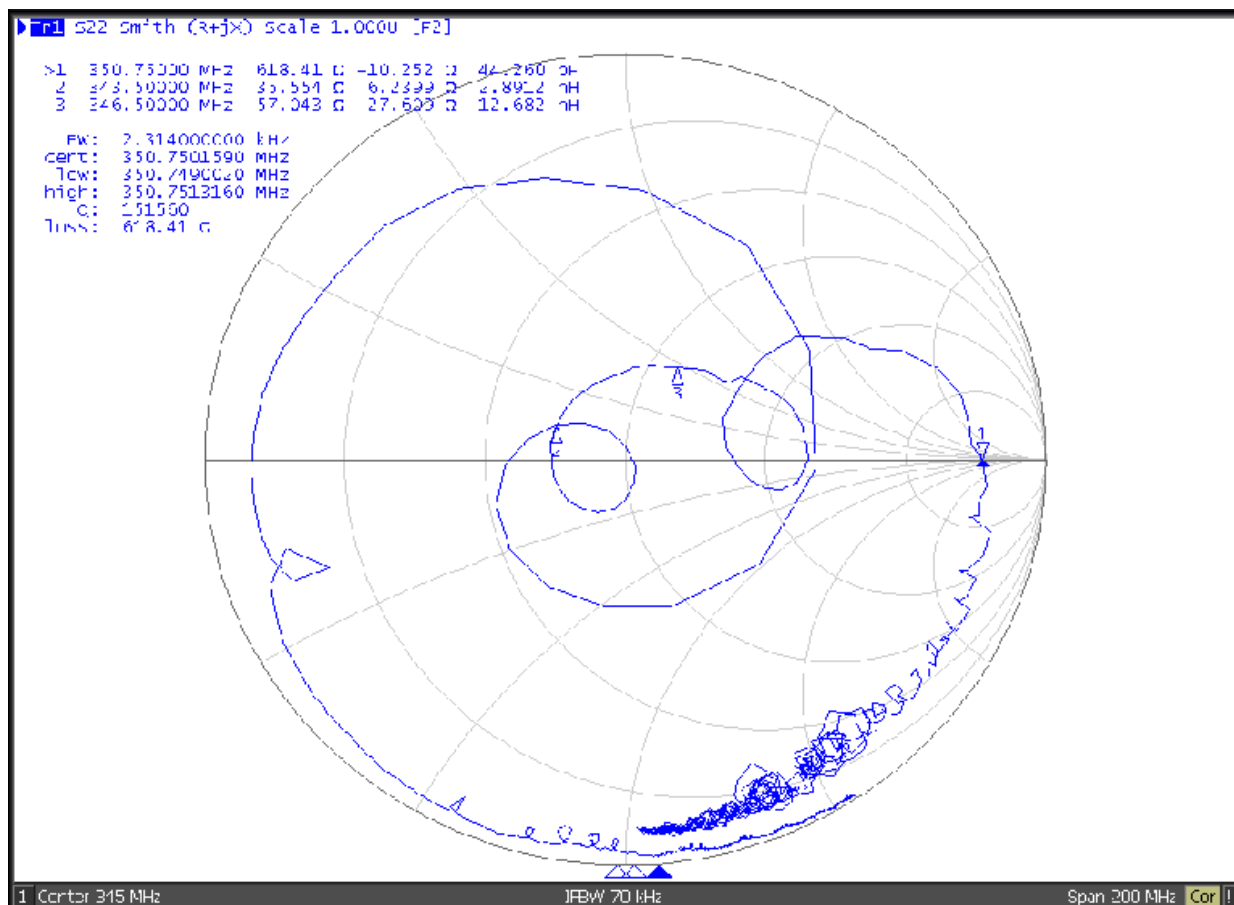
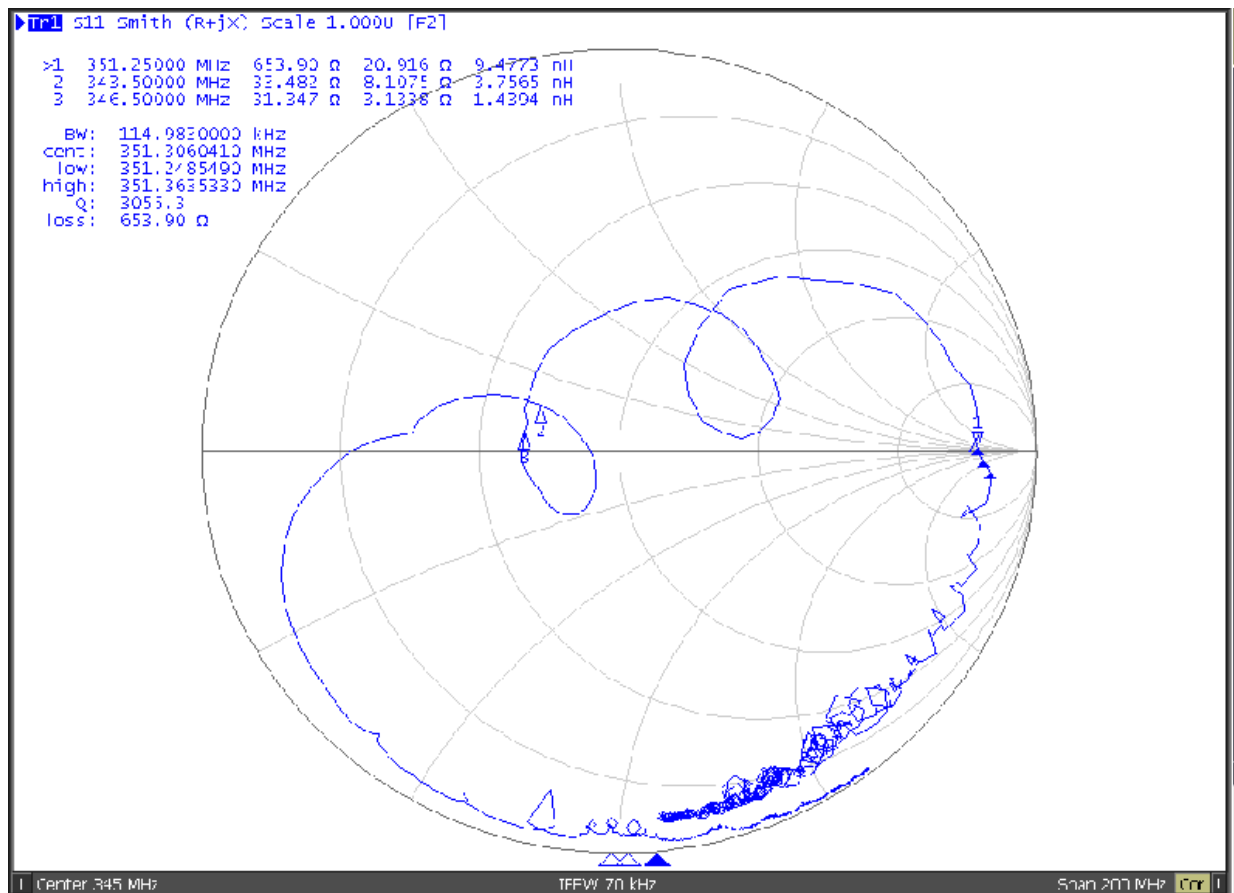
F. Frequency Characteristics:

1、S21 Measurement :





2、S11/S22 Measurement :



1. REEL DIMENSION

Technical drawing of a circular plate. The main view shows a circle with a central hole. The hole is labeled with a diameter of $\phi 100$ REF. and a reference diameter of $\phi 330$ REF. A dimension of 12 TYP. is shown for the thickness of the plate. A detail view of the hole is shown at the bottom right, with a diameter of $\phi 100 \pm 0.13$ and a thickness of 20 ± 0.5 . The detail view also shows a cross-section of the hole with a diameter of $\phi 20 \pm 0.13$ and a thickness of 20 ± 0.5 . A note 'See DETAIL 'A'' points to the central hole.

H. RECOMMENDED REFLOW PROFILE :

