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 1068 MHz SMD 3.0x3.0 mm (BW=40 MHz)

TST Part No.: TA1477A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: David Chang 張閔智

Approved by: Francis Chen

Date: 2012/03/07

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 1068 MHz

MODEL NO.: TA1477A REV. NO.:1

A. MAXIMUM RATING:

1.Input Power Level: 10 dB_m

2.DC voltage: 3 V

3.Operating Temperature: -40°C to 85°C

4.Storage Temperature: -50°C to +125°C

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

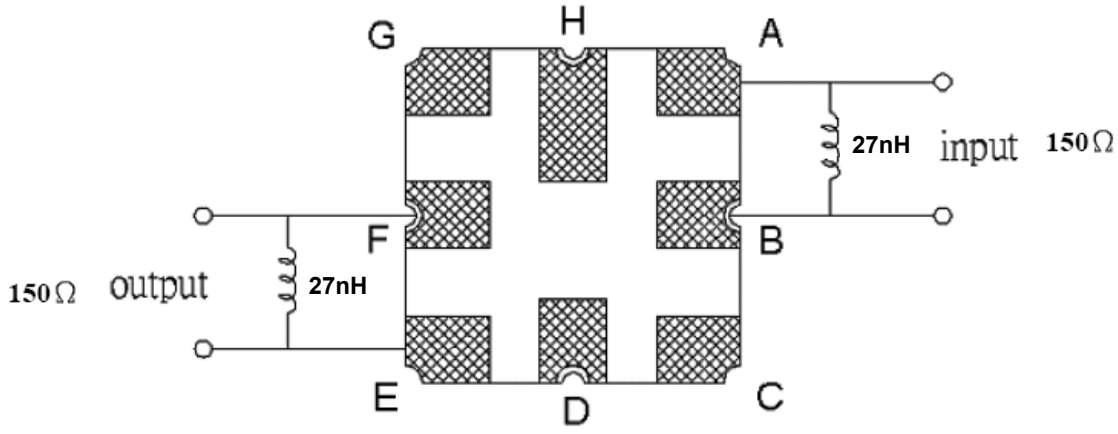
B. CHARACTERISTICS:

Terminating source impedance (differential): Zs=150Ω // 27nH

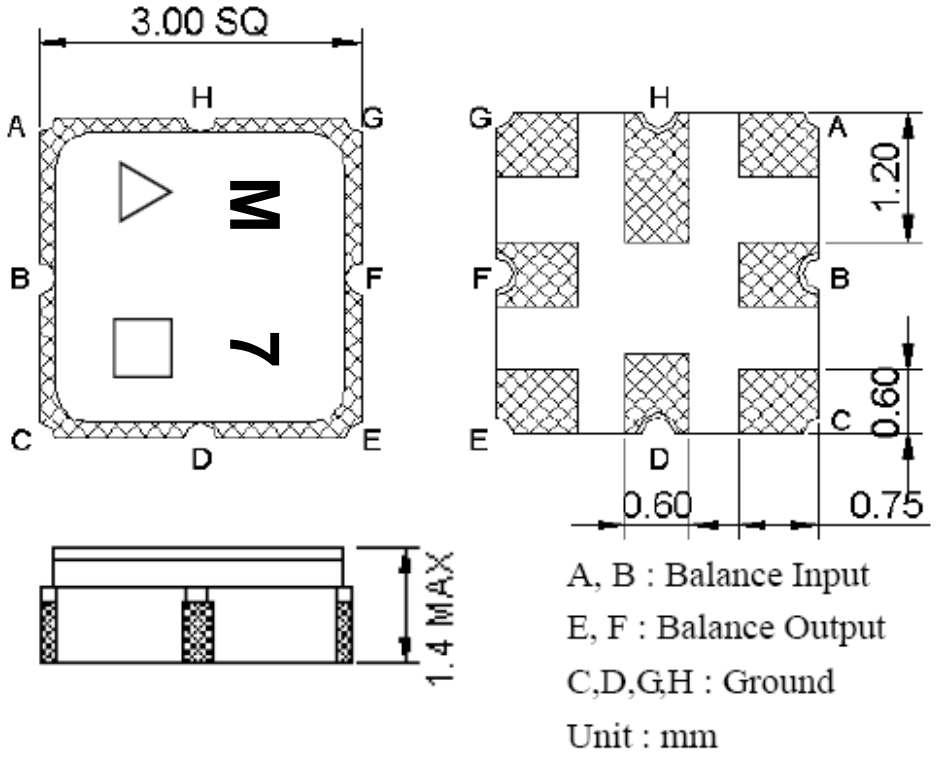
Terminating load impedance (differential): ZL=150Ω // 27nH

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1068	-
Insertion loss (1048~1088 MHz) **IL**	dB	-	2.9	5
Amplitude ripple (1048~1088 MHz)	dB	-	0.7	2
VSWR (1048~1088 MHz)	-	-	1.9	2.5
Group delay ripple (1048~1088 MHz)	ns	-	18	25
Attenuation (reference from 0dB)				
10 ~ 862 MHz	dB	50	53	-
900 ~ 950 MHz	dB	40	55	-
1150 ~ 1190 MHz	dB	20	55	-
1190 ~ 1270 MHz	dB	25	57	-
1270 ~ 1400 MHz	dB	40	55	-
1400 ~ 1800 MHz	dB	30	47	-
Temperature Coefficient of Frequency	Ppm/℃	-	-36	-

C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:



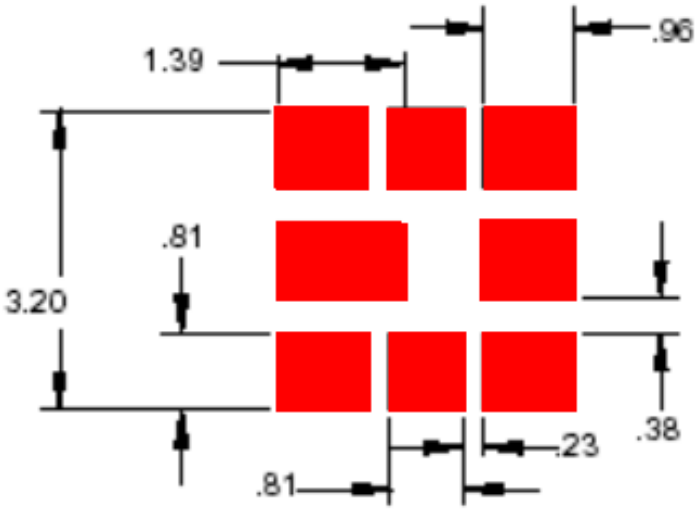
△ : **Year Code (2011->1, 2012->2, …, 2019->9, 2020->0)**

□ : **Date Code**

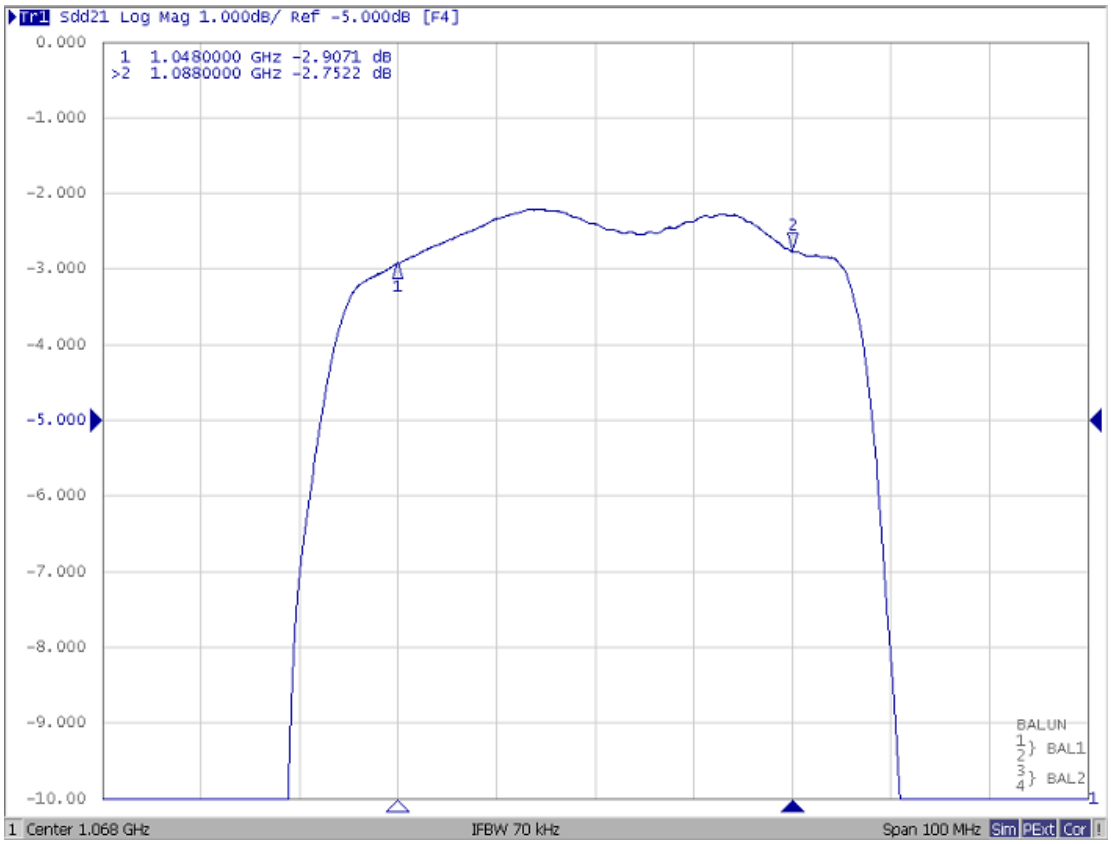
Date Code Table:

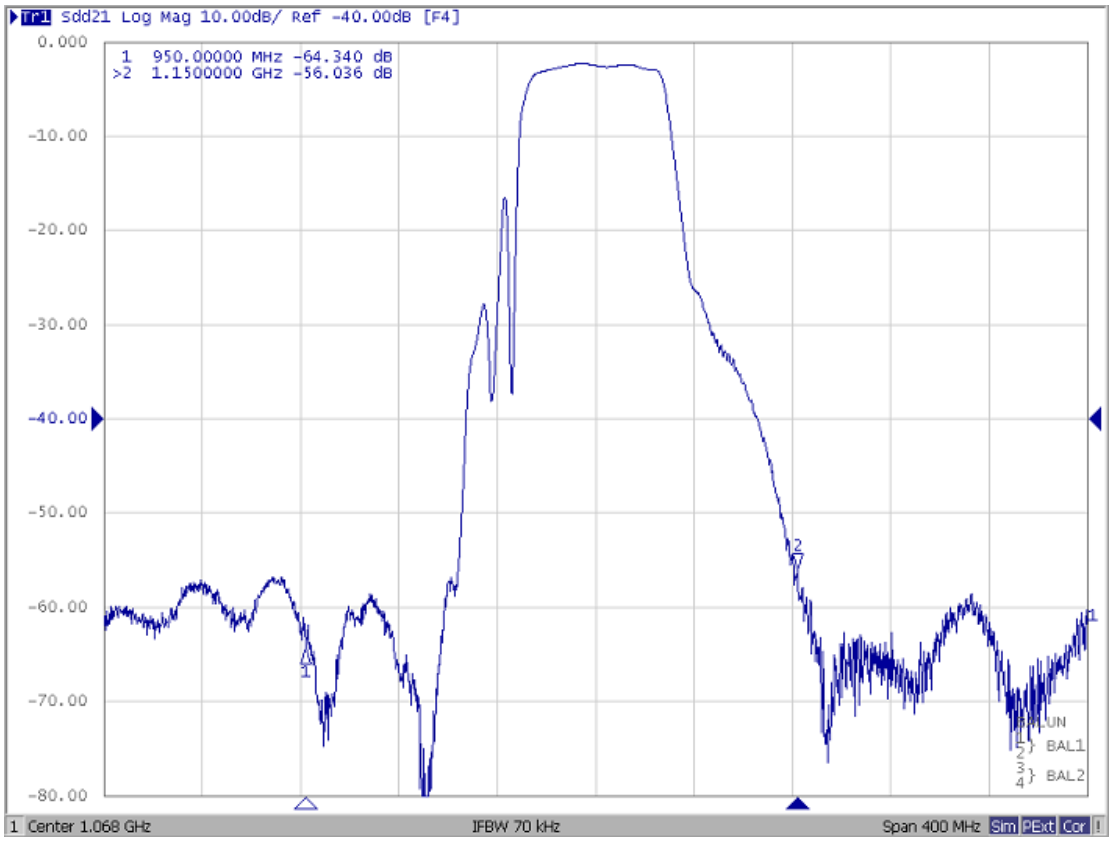
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

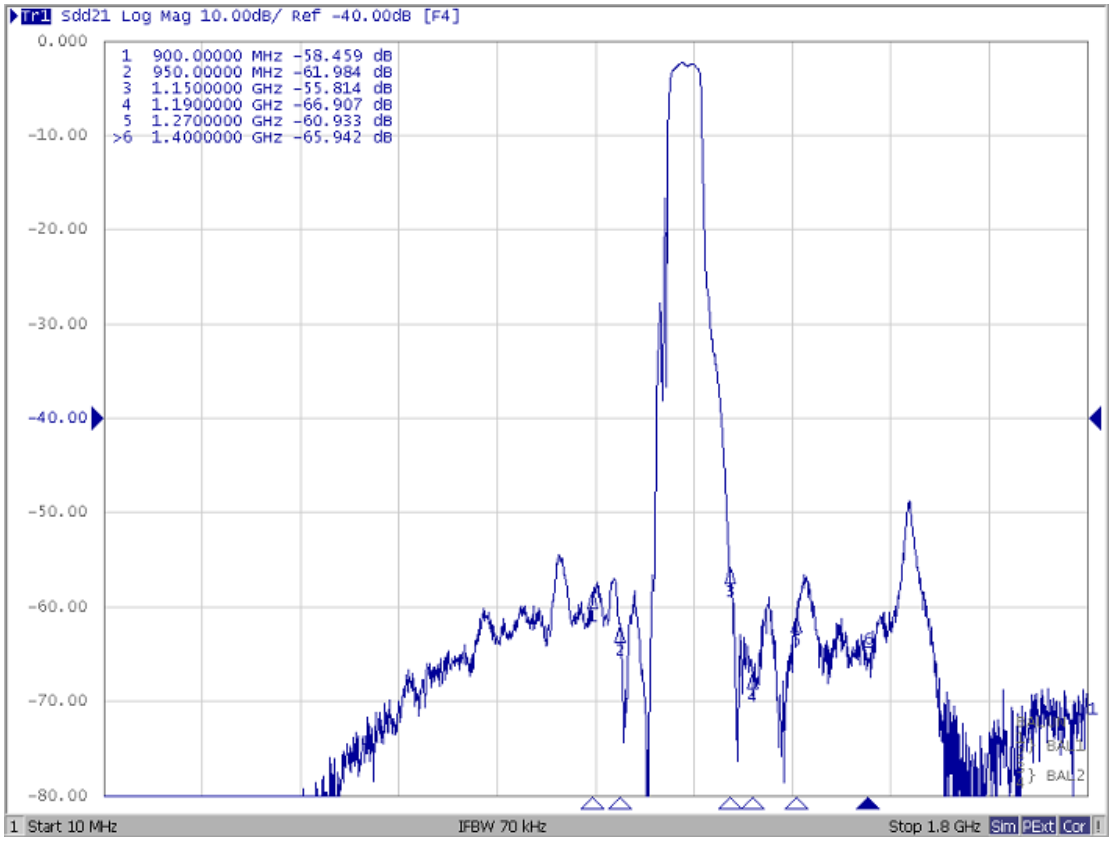
E. PCB FOOTPRINT:



F. Frequency Characteristics:

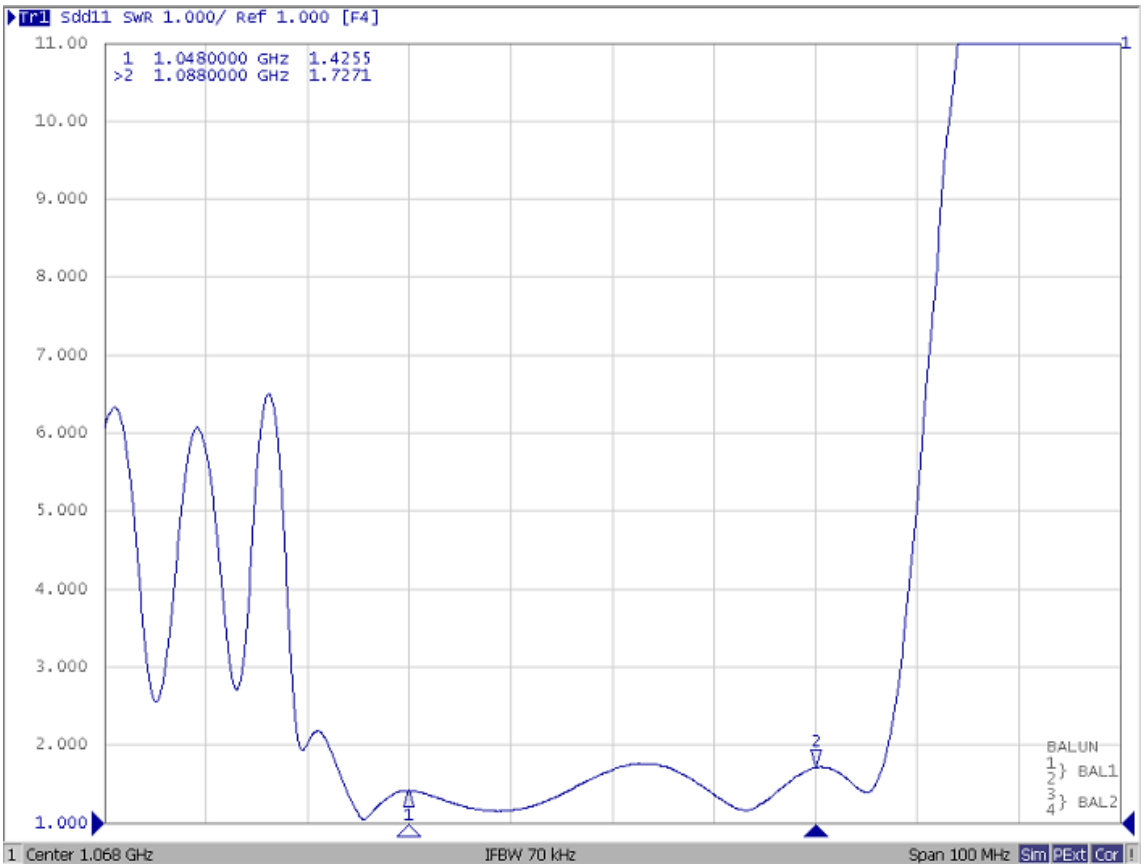



Tr1 Sdd21 Log Mag 10.00dB/ Ref -40.00dB [F4]
1 950.00000 MHz -64.340 dB
>2 1.1500000 GHz -56.036 dB
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
UN
BAL1
BAL2
1 Center 1.068 GHz
IFBW 70 kHz
Span 400 MHz
Sim PExt Cor

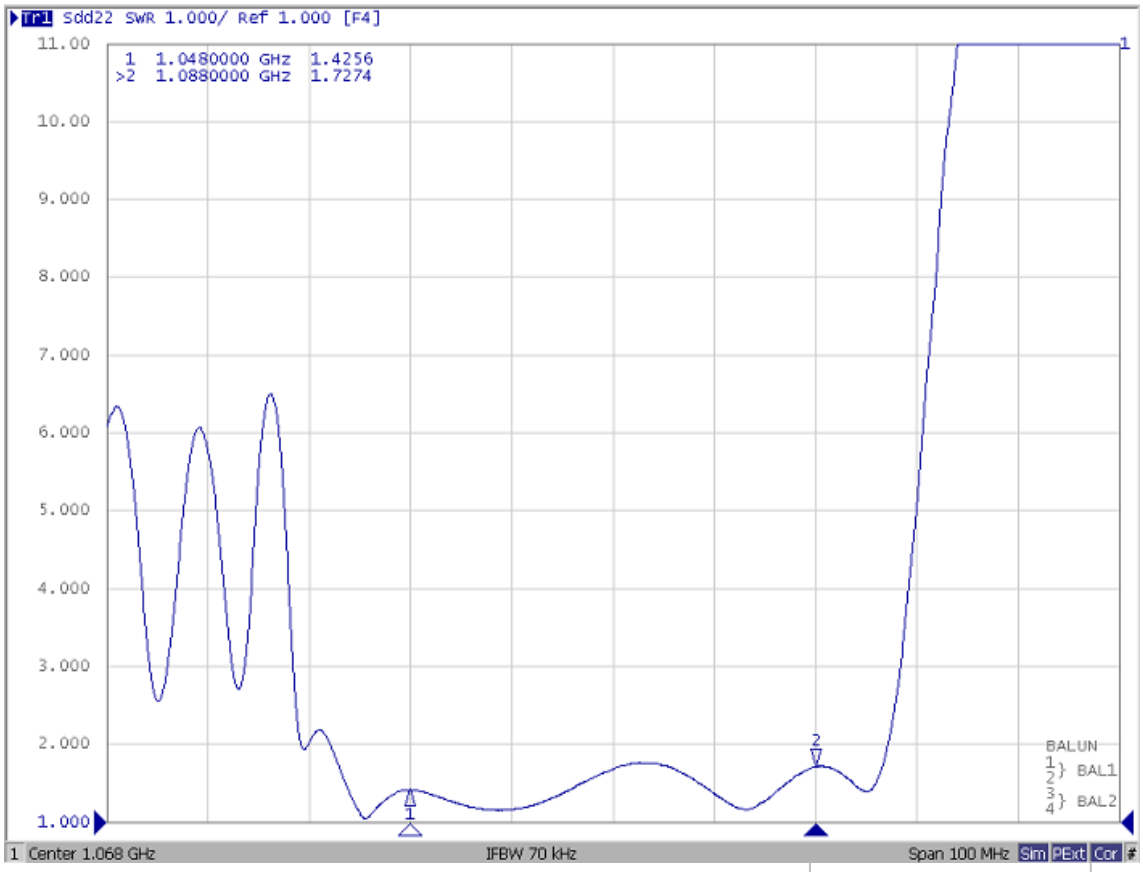

Tr1 Sdd21 Log Mag 10.00dB/ Ref -40.00dB [F4]
1 900.00000 MHz -58.459 dB
2 950.00000 MHz -61.984 dB
3 1.1500000 GHz -55.814 dB
4 1.1900000 GHz -66.907 dB
5 1.2700000 GHz -60.933 dB
>6 1.4000000 GHz -65.942 dB
0.000
-10.00
-20.00
-30.00
-40.00
-50.00
-60.00
-70.00
-80.00
BAL1
BAL2
1 Start 10 MHz
IFBW 70 kHz
Stop 1.8 GHz
Sim PExt Cor

Reflection Functions:

S11

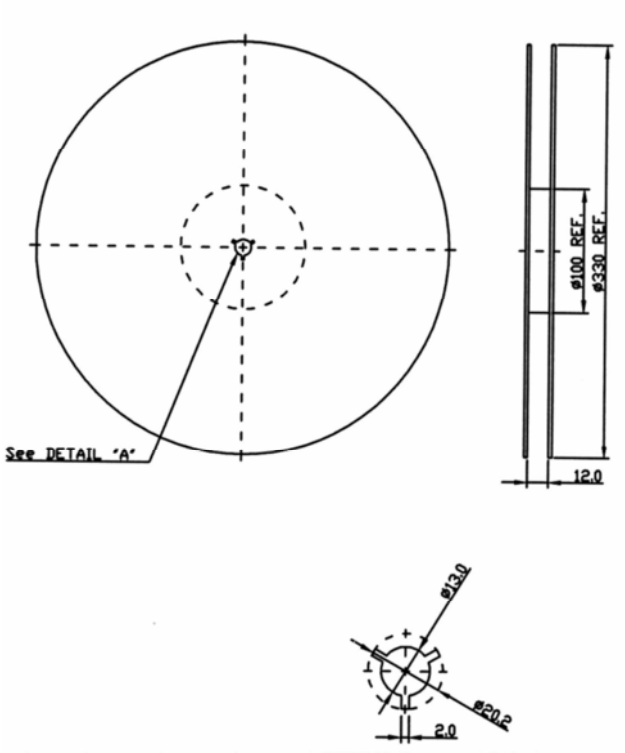


S22

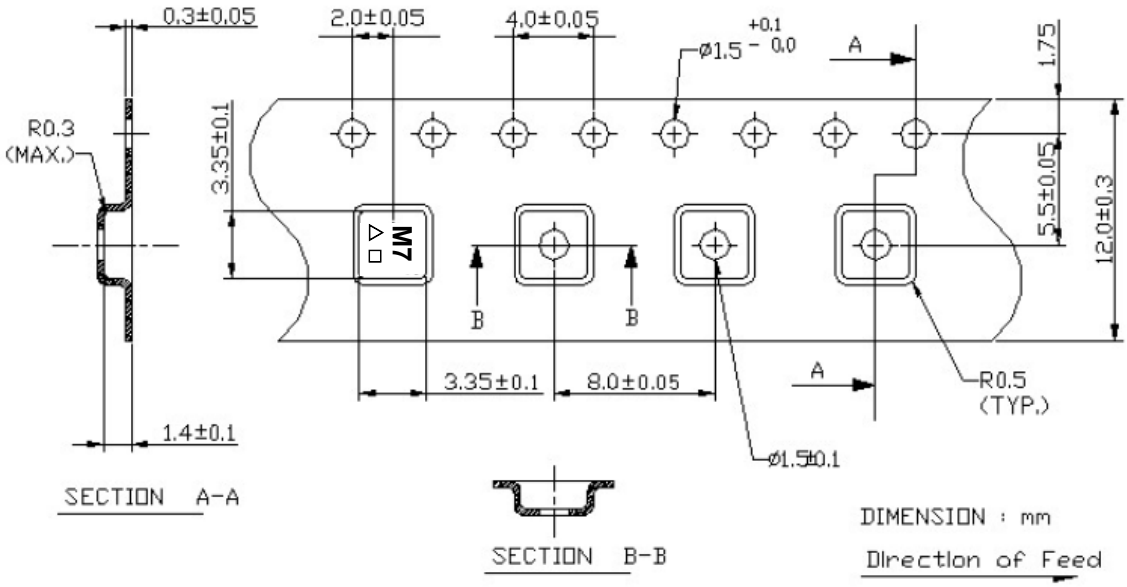


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE: