



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: SAW Filter 1120 MHz SMD 3.0×3.0 mm (BW=45 MHz)

TST Part No.: TA1773A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 

Approved by: _____ Bob Chau 

Date: _____ 2014/07/21

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 1120 MHz

MODEL NO.:TA1773A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

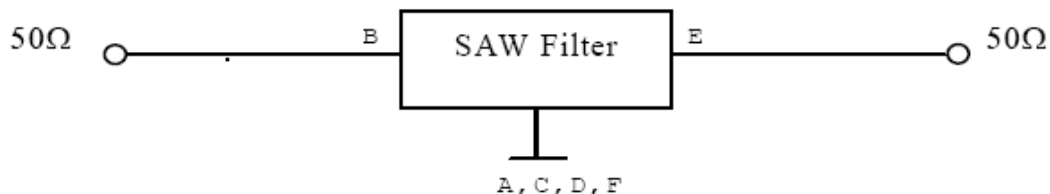
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

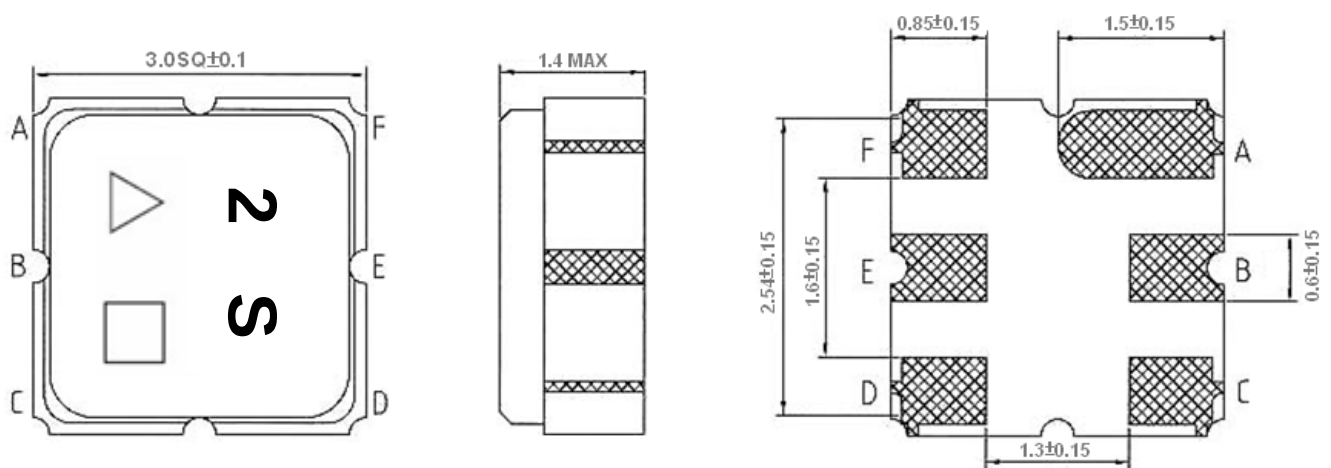
Item	Unit	Min.	Typ.	Max.
Center Frequency F_c	MHz	-	1120	-
Insertion loss (1097.5~1142.5 MHz) IL	dB	-	2.2	4.6
Amplitude ripple (1097.5~1142.5 MHz)	dB	-	0.9	3.0
Group Delay ripple (1097.5~1142.5 MHz)	ns	-	36	200
Attenuation (Reference level from 0 dB)				
1065.5 MHz	dB	24	42	-
1077.5 MHz	dB	16	32	-
1162.5 MHz	dB	16	21	-
1174.5 MHz	dB	16	20	-
Temperature Coefficient of Frequency	ppm /°C	-	-36	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D. OUTLINE DRAWING:



B: Input

E: Output

A, C, D, F: Ground

Unit: mm

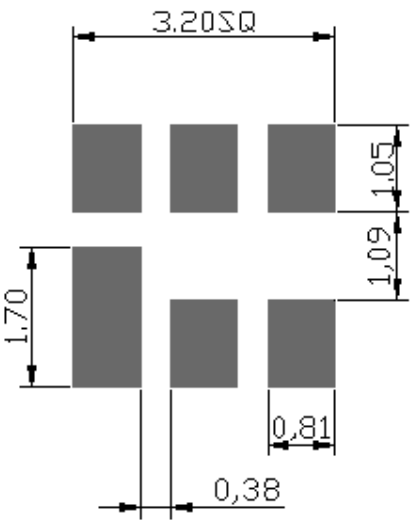
△ : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

□ : Date Code

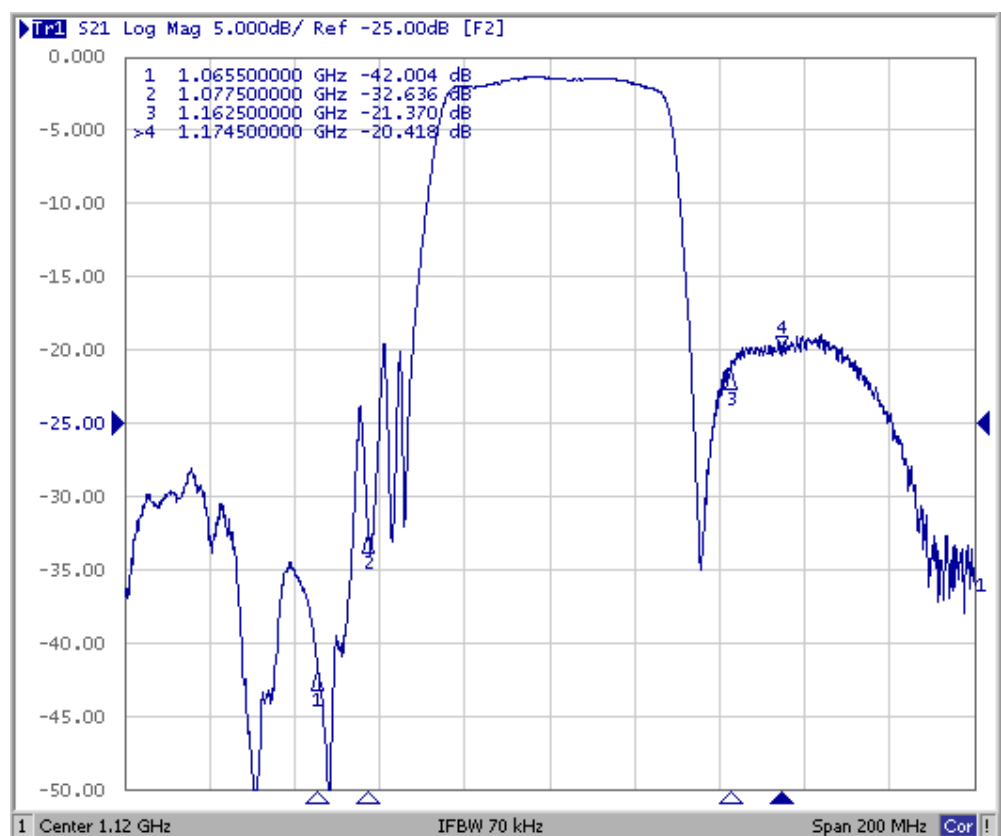
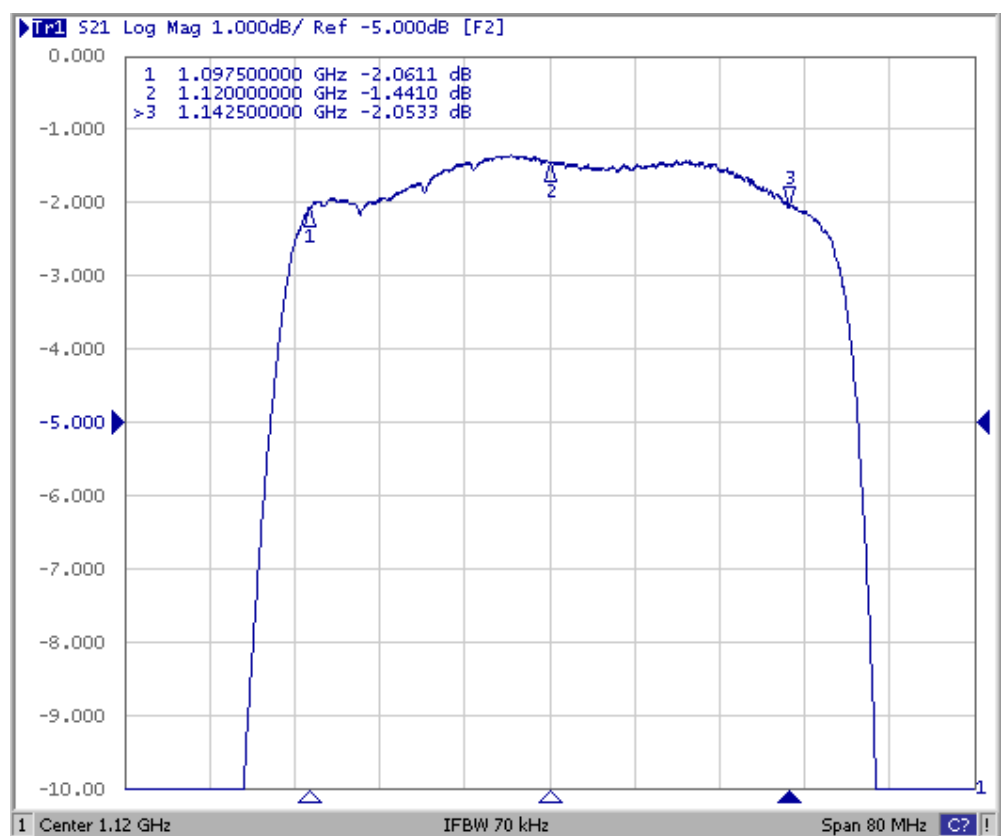
Date Code Table:

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:



1. REEL DIMENSION

Technical drawing of a circular structural member. The main view is a top-down view showing a large circle with a dashed center line and a dashed circle representing a hole. A leader line points from the text "See DETAIL 'A'" to the center of the hole. To the right, a cross-section view shows a rectangular member with a central hole. The hole has a diameter of $\phi 100$ REF. and the member has a diameter of $\phi 330$ REF. The thickness of the member is indicated as 12.0. Below the main view, a detail view shows a cross-section of the hole with a diameter of $\phi 13.0$ and a thickness of 2.0. The detail view also shows a cross-section of the member with a diameter of $\phi 20.2$.

Technical drawing of a multi-hole punch die. The drawing includes a side view and a top view. The side view shows a rectangular block with a width of 3.30 ± 0.1 (labeled B_0) and a height of 1.40 ± 0.1 (labeled K_0). The top view shows a rectangular block with a length of 12.00 ± 0.3 and a width of 3.30 (labeled A_0). The top view also shows a series of 12 holes arranged in two rows of 6. The holes have a diameter of $\phi 1.6 \pm 0.1$ DIA. The distance between the centers of the holes in the top row is 4.00 ± 0.1 , and the distance between the centers of the holes in the bottom row is 2.00 ± 0.05 . The distance between the center of a hole in the top row and the center of a hole in the bottom row is 1.75 ± 0.1 . The distance from the left edge of the block to the center of the first hole in the top row is 0.25 . The distance from the left edge of the block to the center of the first hole in the bottom row is 0.150 ± 0.1 . The distance from the right edge of the block to the center of the last hole in the top row is 1.75 ± 0.1 . The distance from the right edge of the block to the center of the last hole in the bottom row is 5.50 ± 0.05 . The drawing also includes a callout for the direction of feed, indicated by a red arrow pointing to the right.

H. RECOMMENDED REFLOW PROFILE:

