



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Product Description: 70 MHz 6.0MHz BW SMD 13.3 x 6.5 mm SAW IF Filter

TST Part No.: TB1028A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Kazuma Lee

Approved by: _____ Francis Chen

Date: _____ 08 / 16 / 2011

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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Low-Loss 70 MHz IF SAW Filter (SMD 13.3x6.5 mm)

Model No.: TB1028A

Rev. No.:1

A. Maximum Rating:

RoHS Compliant
Lead free
Lead-free soldering

1. Input Power Level: +20 dB_m
2. Operating Temperature: -30°C to +80°C
3. Storage Temperature: -40°C to +85°C

Electrostatic Sensitive Device

B. Electrical Characteristics:

Parameters	Unit	Min.	Typical	Max.
Center frequency, F_c	MHz	69.8	70	70.2
Insertion Loss, IL	dB	-	9.1	11.0
1 dB Bandwidth	MHz	5.2	5.8	-
3 dB Bandwidth	MHz	6.0	6.8	-
40 dB Bandwidth	MHz	-	9.6	10.0
Relative Attenuation:				
10 to 64.5 MHz	dB	40	45	-
75.5 to 140 MHz	dB	37	41	-
Amplitude ripple within $F_c \pm 2.1$ MHz	dB	-	0.8	1.0
Group Delay ripple within $F_c \pm 2.1$ MHz	nsec	-	100	170
Substrate Material	-	-	YZ-LN	-
Temperature Coefficient of frequency	ppm/ °C	-	-94	-

C. Frequency Characteristics:

(1) Frequency Response

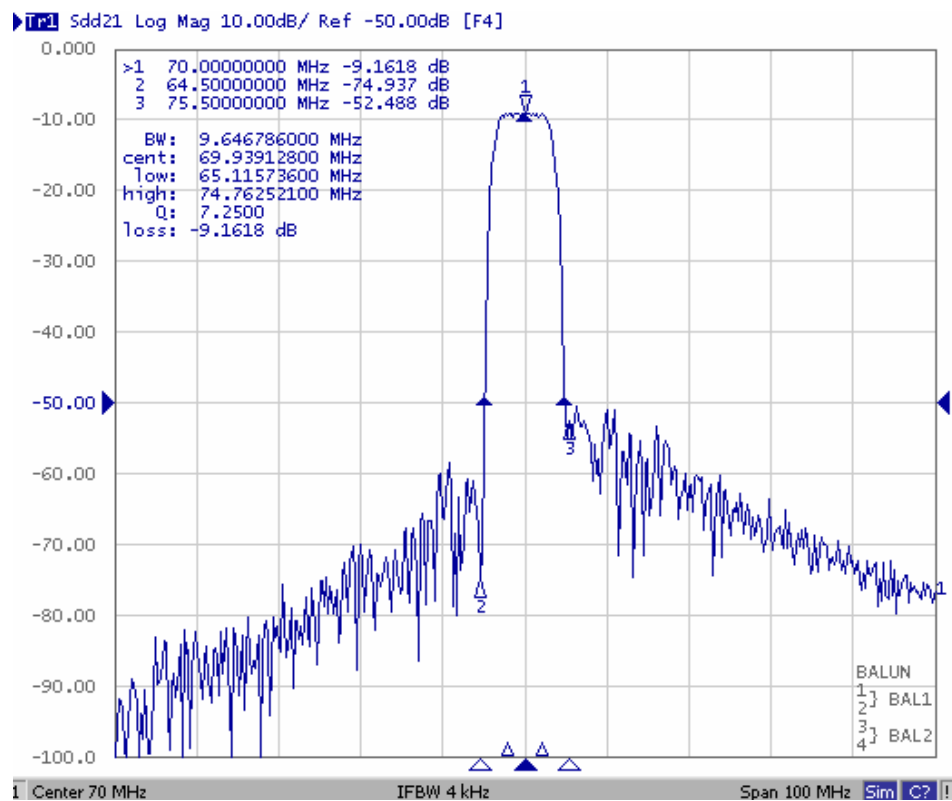


Fig1. Horizontal: 10MHz/Div Vertical: 10dB/Div

(2) Passband response and Group Delay Variation

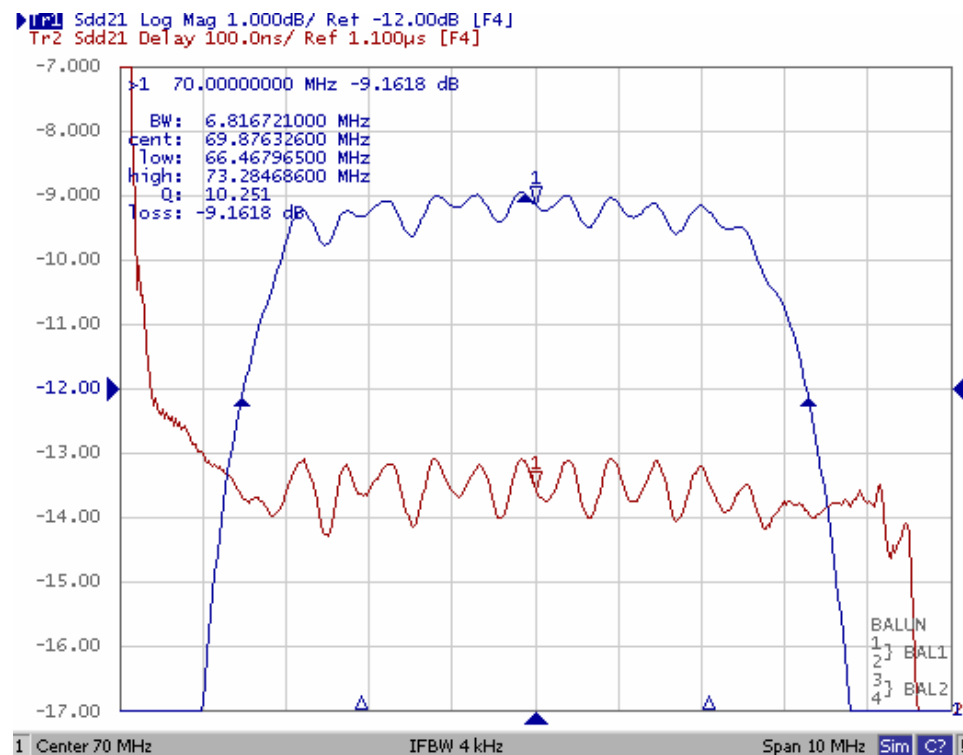
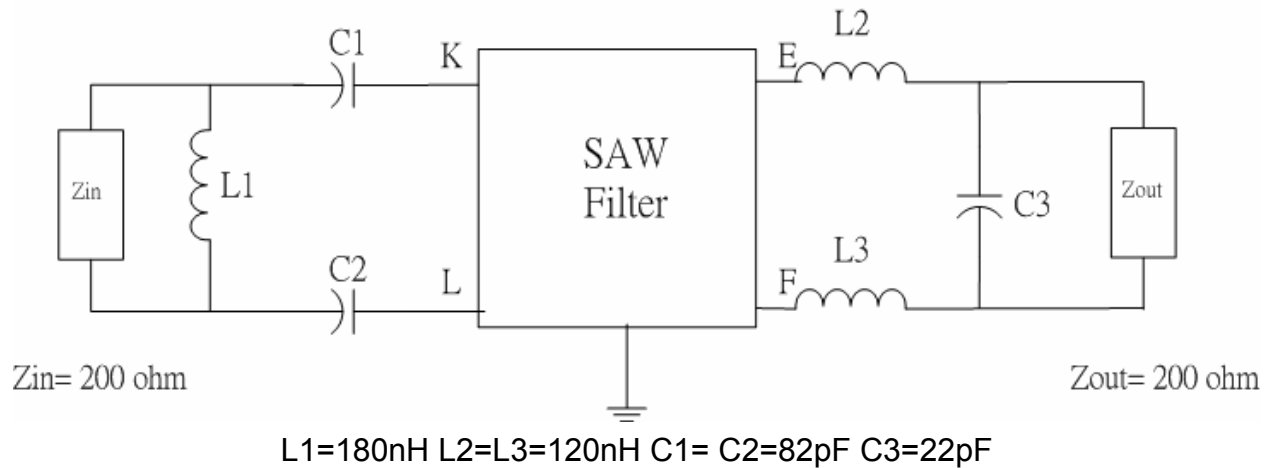


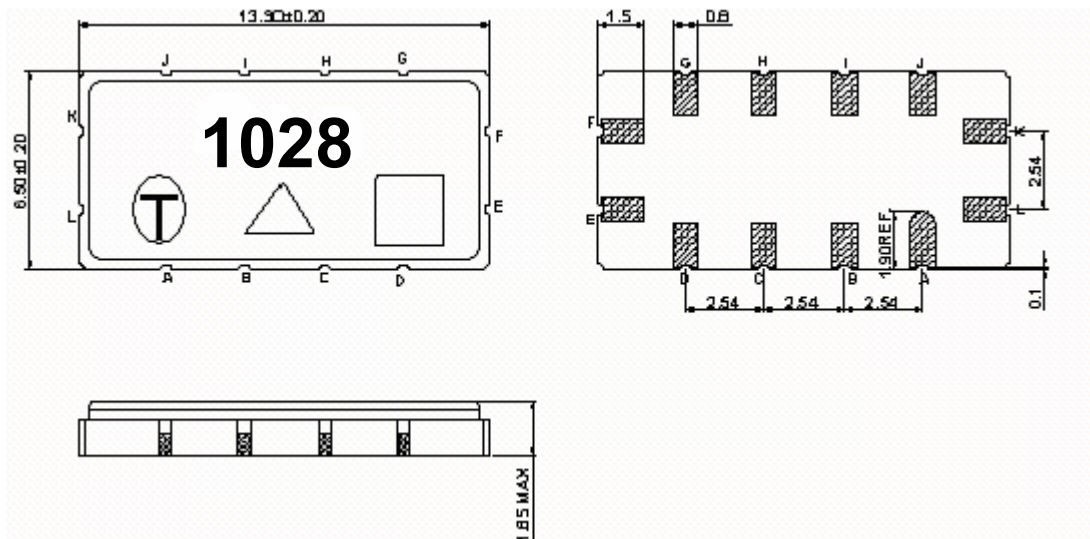
Fig2. Horizontal: 1MHz/Div Vertical: 1dB/Div
Vertical: 100ns/Div

D. Measurement Circuit:



E. Outline Drawing:

Laser Marking



#K : RF input

#L : RF Input ground

#E : RF output

#F : RF balance output or to be ground

#A,B,C,D,G,H,I,J : Ground

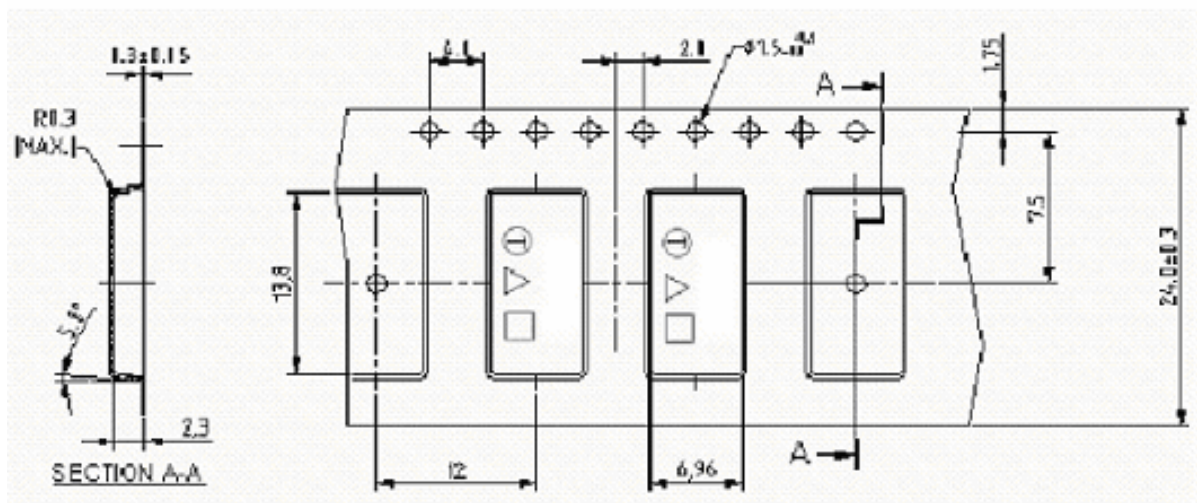
□ : Week Code (Follow the table from planner each year)

Unit: mm

△ : Product / Year Code

Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

