



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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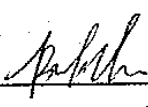
Product Specifications Approval Sheet

Product Description: SAW Filter 90 MHz SMD 11.4X5 mm

TST Part No.: TB0886A

Customer Part No.: _____

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

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 8, 17, 2010

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 90MHz

MODEL NO.:TB0886A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 0 dBm
2. DC Voltage : 3V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -40°C to +85°C

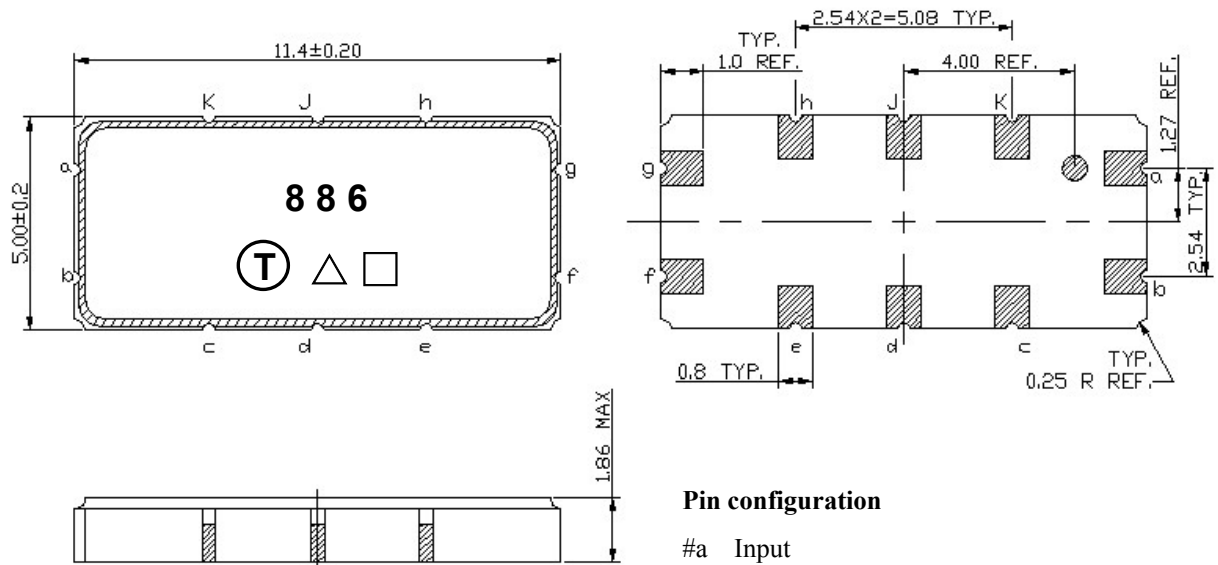
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS: (Ambient temperature : 25°C)

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	-	90	-	-
Minimum Insertion loss IL	dB	-	2.6	5.0	-
Pass band ripple F_c±5 kHz	dB	-	0.2	1.5	-
Group Delay Variation F_c±5 kHz	μs	-	2	10	-
Relative Attenuation (relative to 0 dB)					
F_c ± 60 kHz	dB	12	25	-	-
F_c ± 100 kHz	dB	30	44	-	-
F_c- 1000 kHz ~ F_c- 920 kHz	dB	40	70	-	-
F_c- 920 kHz ~ F_c- 890 kHz	dB	45	70	-	-
F_c- 890 kHz ~ F_c- 200 kHz	dB	40	65	-	-
F_c- 200 kHz ~ F_c- 100 kHz	dB	30	44	-	-
F_c+ 100 kHz ~ F_c+ 250 kHz	dB	30	45	-	-
F_c+ 250 kHz ~ F_c+1000 kHz	dB	40	52	-	-
Temperature coefficient of frequency TCf	-0.033 ppm/C ²				

Note1. Considering -8 KHz frequency shift from -20°C to +75°C

C.OUTLINE DRAWING:



Pin configuration

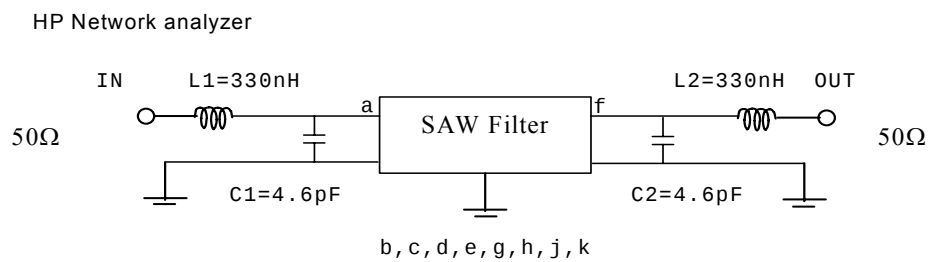
- #a Input
- #b Input RF-Return
- #f Output
- #g Output RF-Return
- #c,d,e,h,j,k To be grounded
- △ Year Code
- Date code(Follow the table from planner each year)

Product Year Code

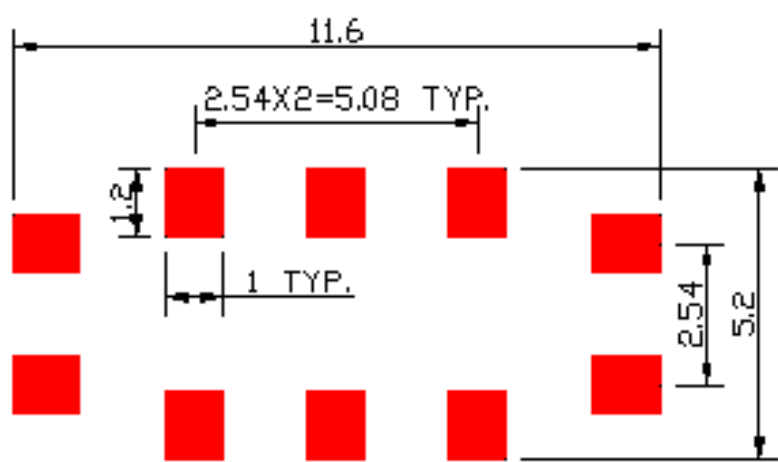
Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	<u>B</u>	<u>b</u>

D. MEASUREMENT CIRCUIT:

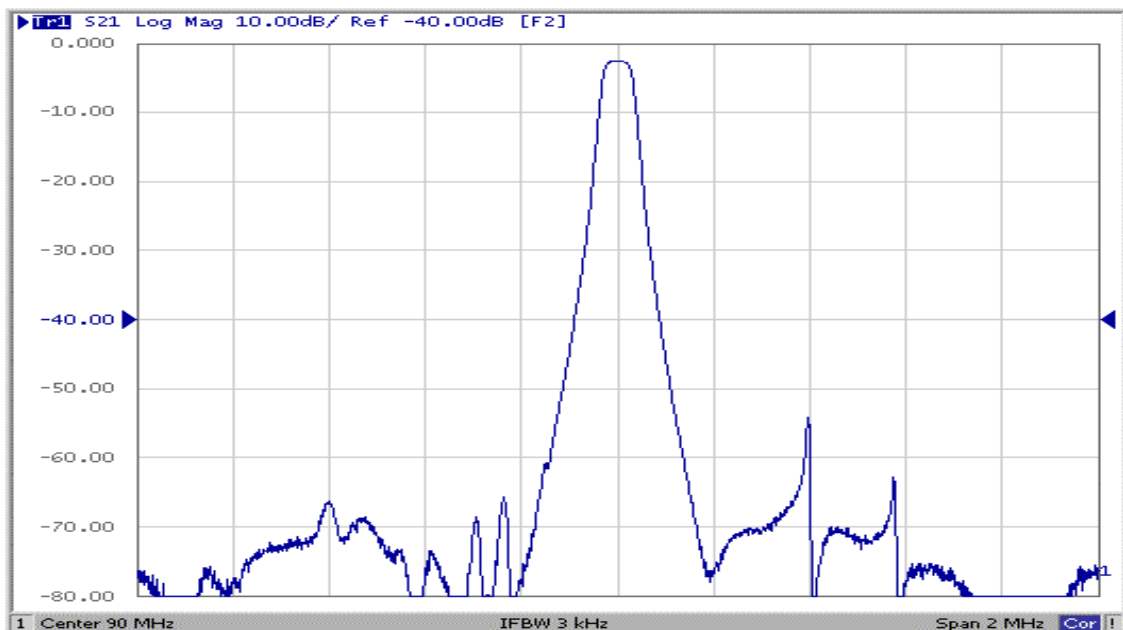
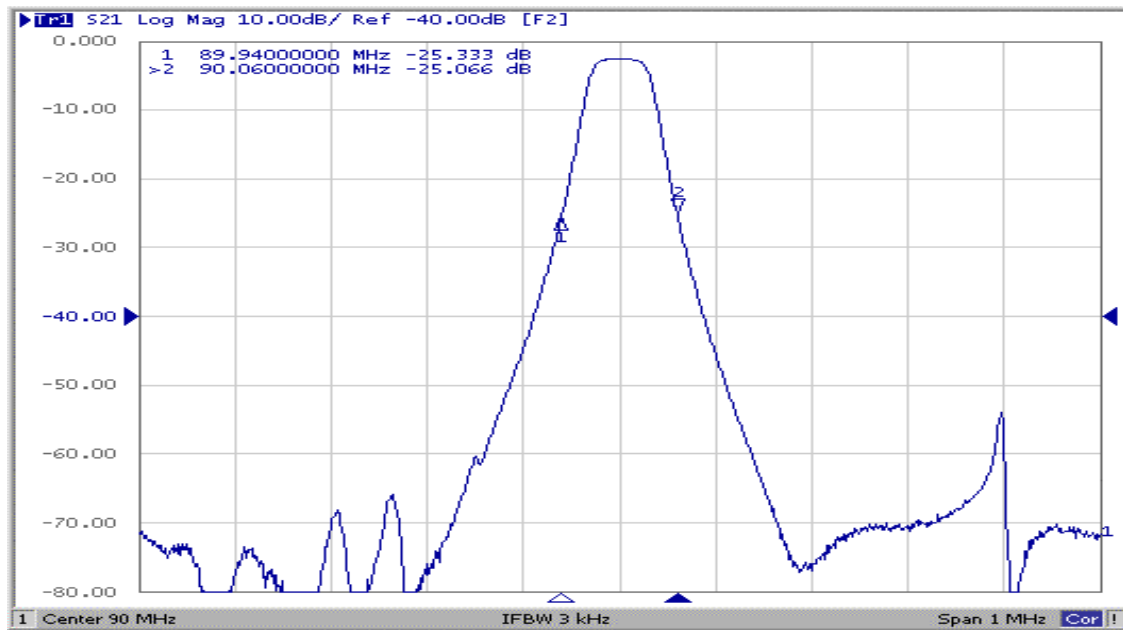
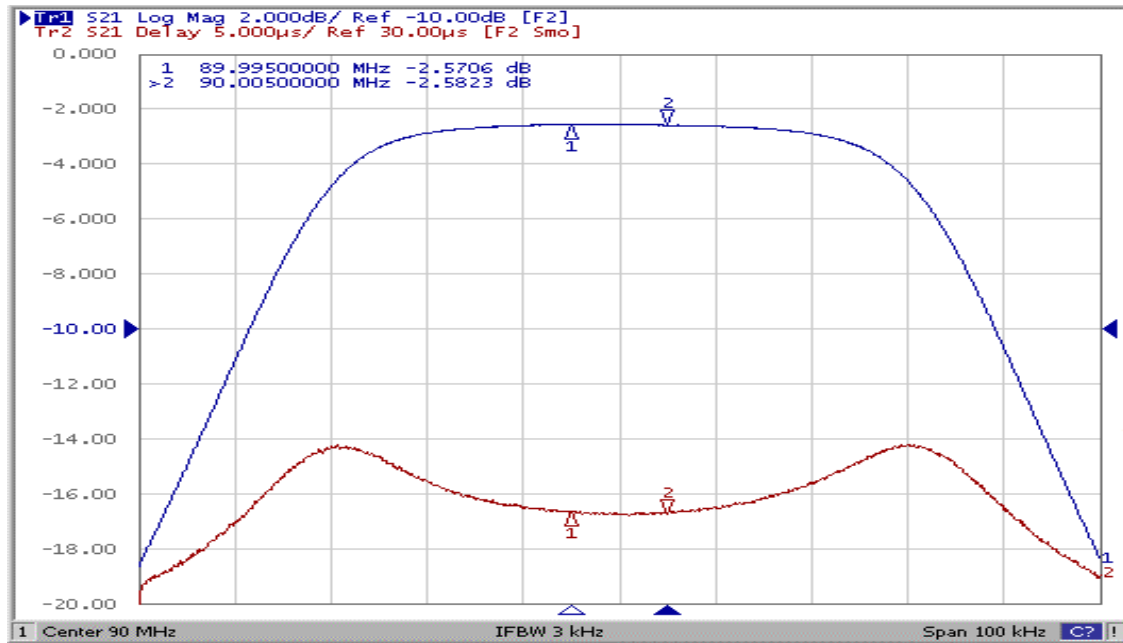
50 Ohm Test circuit (single-ended / single-ended)



E. PCB Footprint:

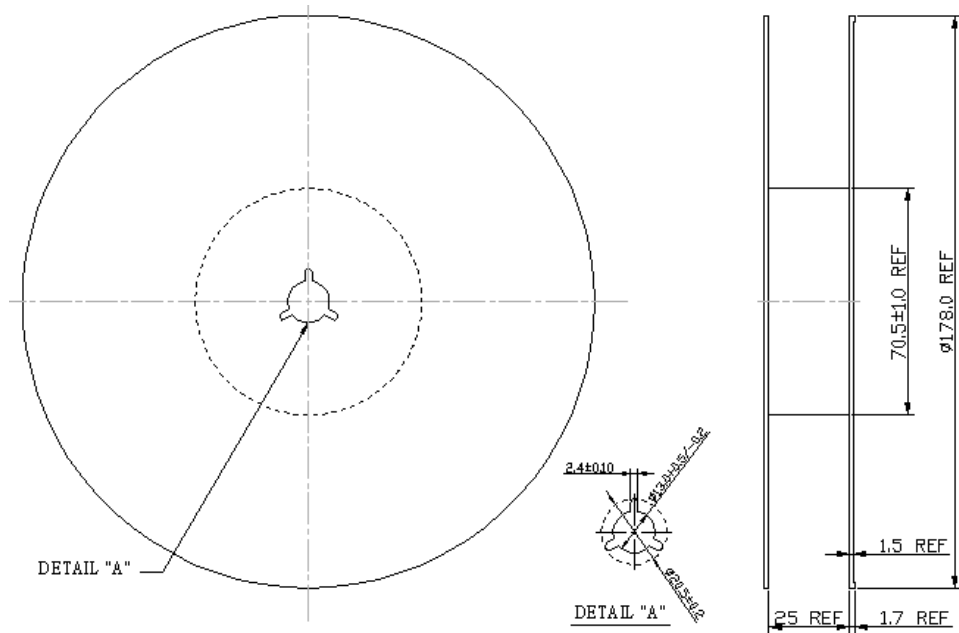


F. Frequency Characteristics :

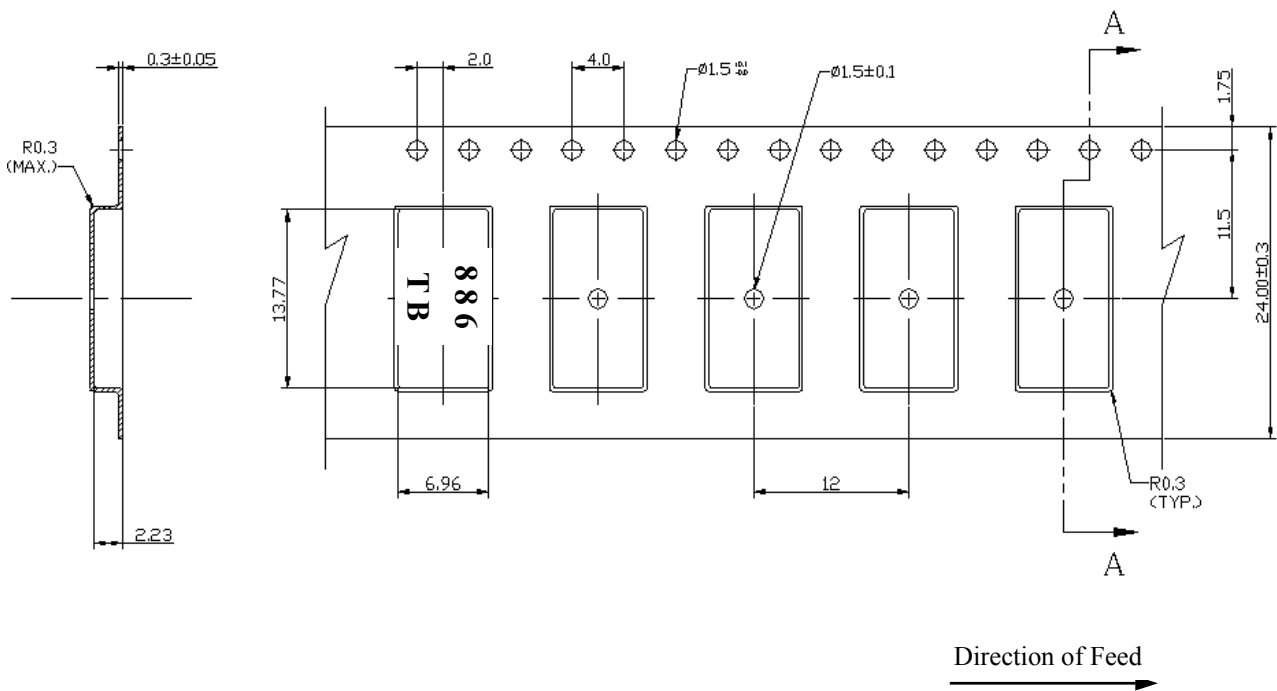


G. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

