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 IF Filter 464MHz

TST Part No.: TB0575A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Kazuma Lee

Approved by: Francis Chen

Date: 2010, 07/01

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 464 MHz SMD 7.0mmX5.0mm

MODEL NO.: TB0575A REV. NO. 3

RoHS Compliant
Lead free
Lead-free soldering

A. MAXIMUM RATING:

1. Operating Temperature: -40°C to +85°C
2. Storage Temperature: -40°C to +85°C
3. Maximum Input Power : 10dBm

B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °C

Item		Min.	Typical	Max.
Center frequency Fc	MHz	-	464.0	-
Insertion loss at Fc	dB	-	12.6	13.5
Bandwidth at –1.0dB	MHz	3.15	3.45	-
Bandwidth at –3.0dB	MHz	-	3.90	4.20
Amplitude Ripple (Fc ± 1.4 MHz)	dB	-	0.6	1.0
Group Delay Ripple (Fc ± 1.4 MHz)	nS	-	100	250
Attenuation (Reference level from minimum Insertion loss)				
DC ~ 264 MHz	dBc	30	62	-
264 ~ 368 MHz	dBc	50	62	-
368 ~ 424 MHz	dBc	45	57	-
424 ~ 458.6 MHz	dBc	37	41	-
469.4 ~ 504 MHz	dBc	36	40	-
504 ~ 664 MHz	dBc	40	50	-
664 ~ 1000 MHz	dBc	30	55	-
Temp Coefficient	ppm/°C^2	-	-0.036	-

D. FREQUENCY CHARACTERISTICS :

1.S21 Response

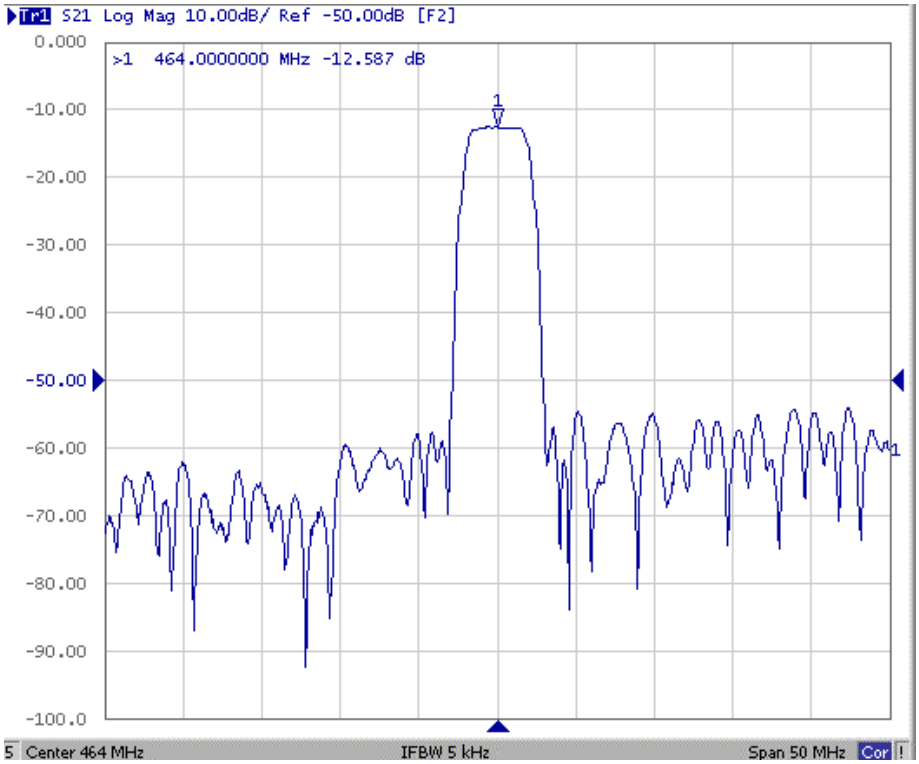


Fig1. Horizontal: 5MHz/Div Vertical: 10dB/Div

2. Passband Response and Group Delay Ripple

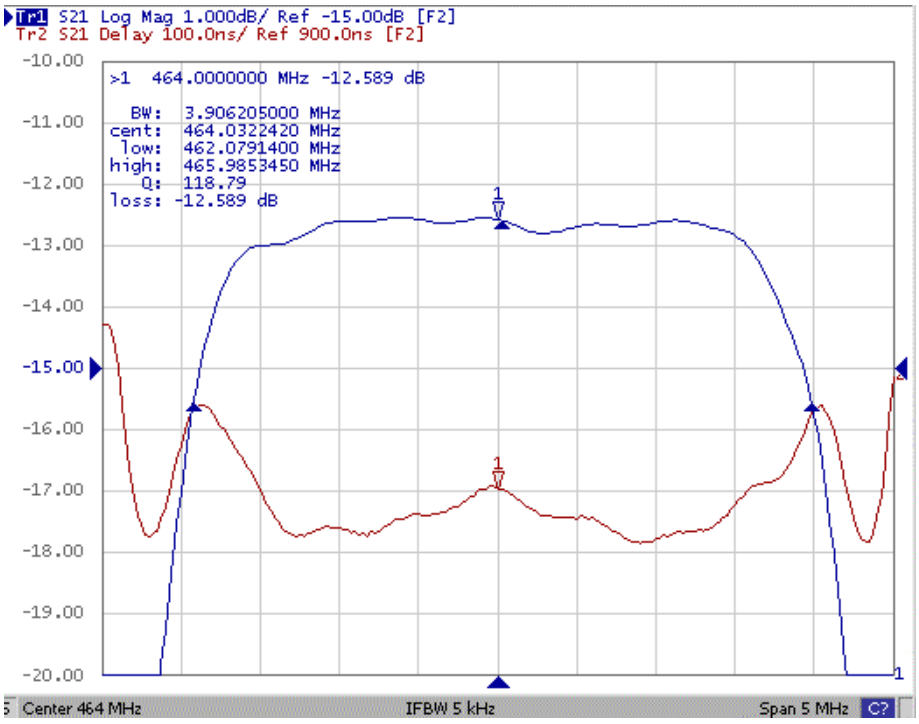


Fig2. Horizontal: 0.5MHz/Div Vertical: 1dB/Div

Vertical: 100nS/Div

3. Wide band Response

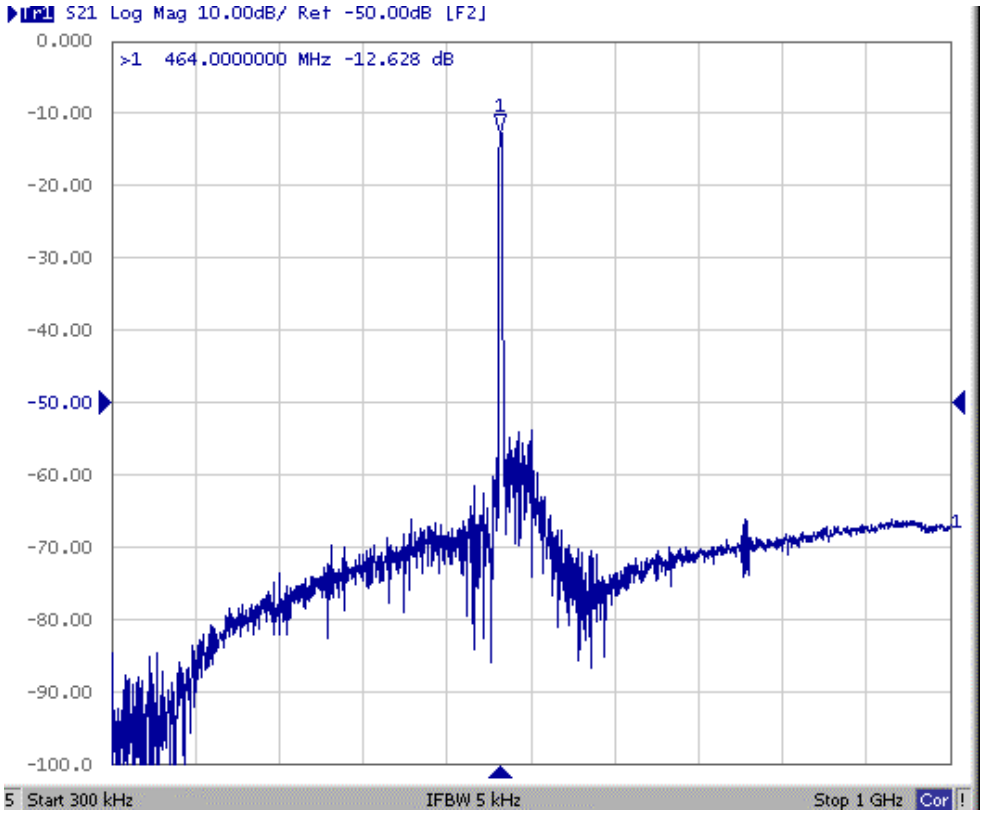
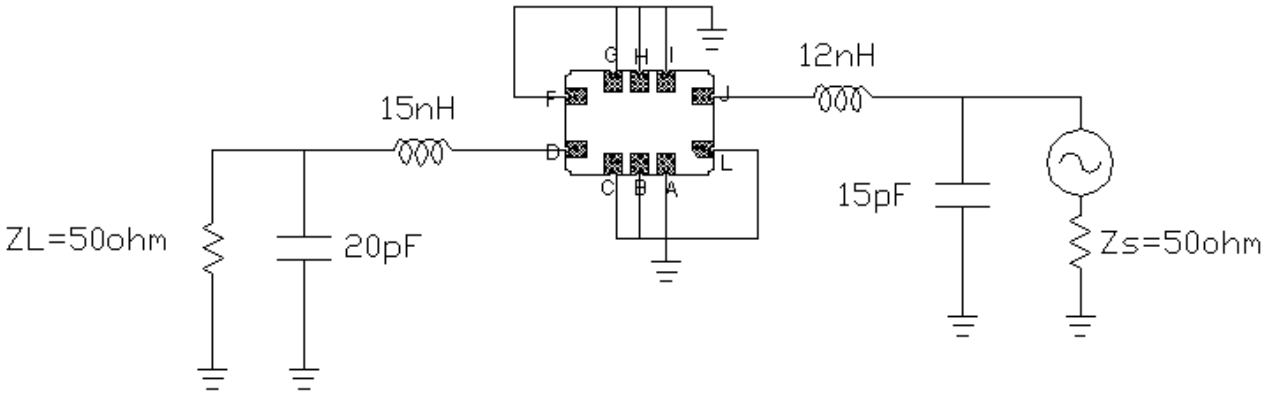


Fig4. Horizontal: 100MHz/Div Vertical: 10dB/Div

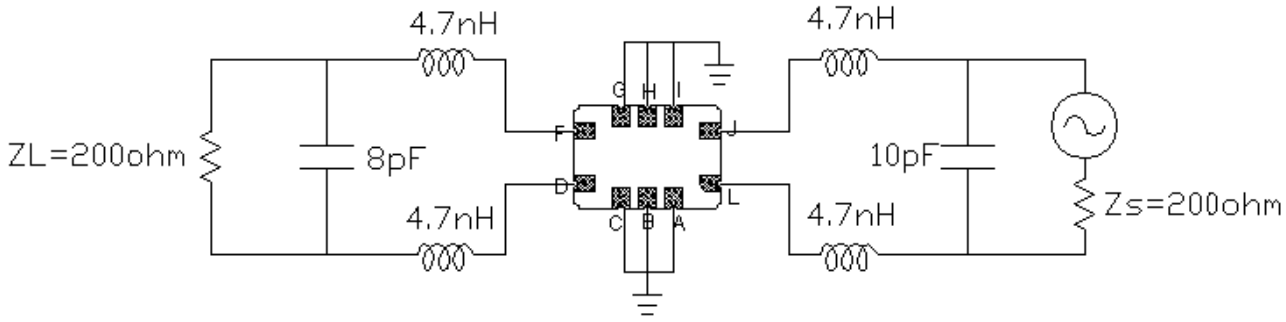
E. MEASUREMENT CIRCUIT

1. Single ended input 50 ohm to Single ended Output 50 ohm

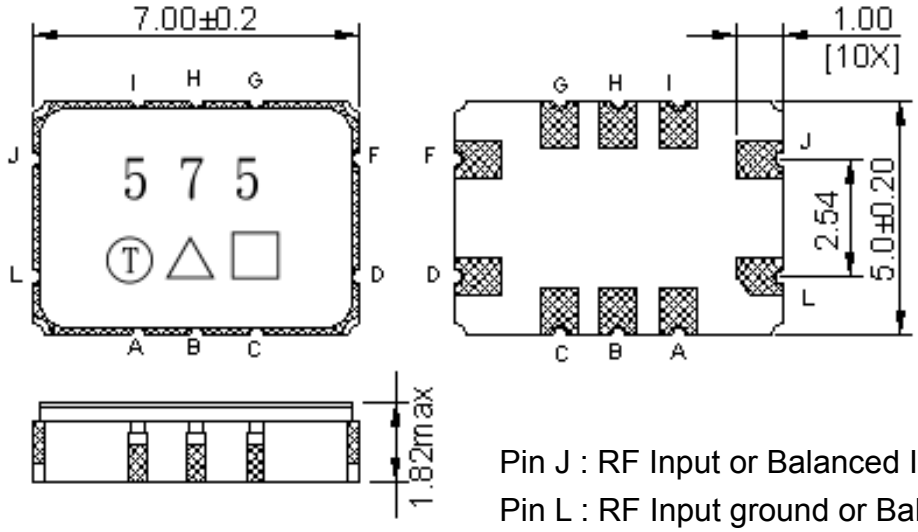
:



2. Balanced input 200 ohm to Balanced Output 200 ohm



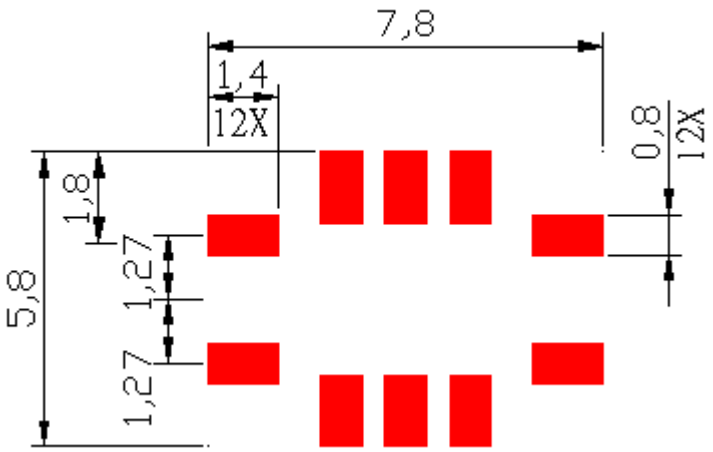
F.OUTLINE DRAWING:



Pin J : RF Input or Balanced Input +
Pin L : RF Input ground or Balanced input -
Pin D : RF Output or Balanced Output+
Pin F : RF Output ground or Balanced Output -
Pin A,B,C,G,H,I : Ground
Unit: mm
□ : Week Code (Follow the table from planner each year)

Year	2009 2013	2010 2014	2011 2015	2012 2016
Product Code	B	b	B	b

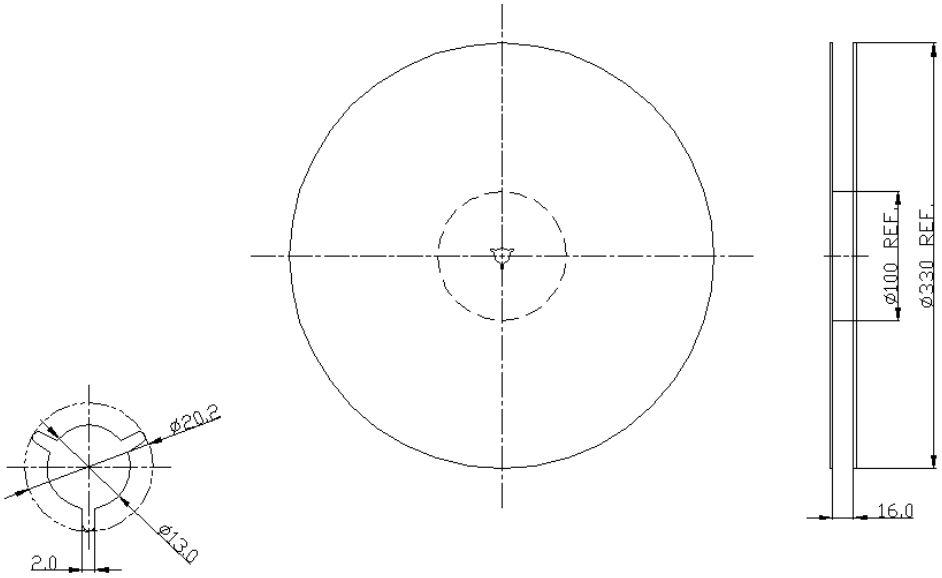
G. PCB Footprint



Unit: mm

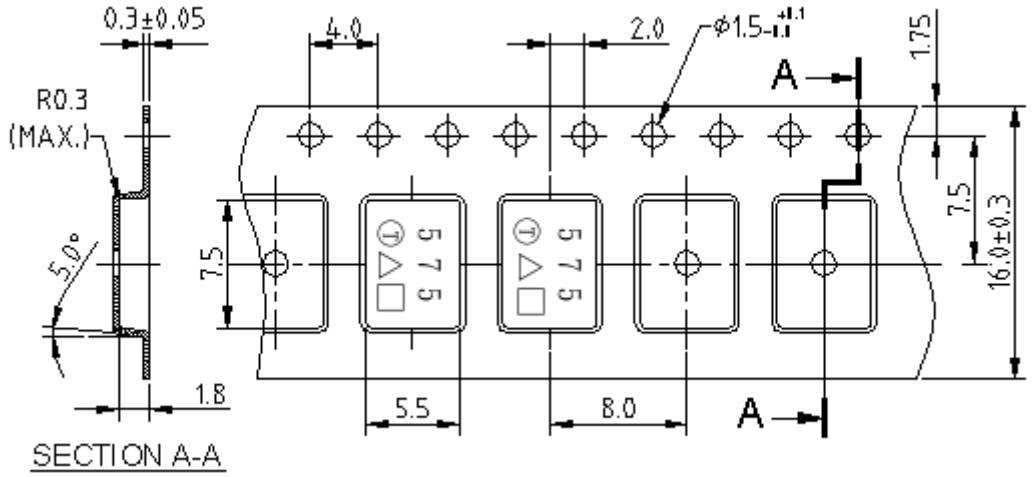
H. PACKING:

1. REEL DIMENSION



Unit: mm

2. TAPE DIMENSION



Unit: mm

I. RECOMMENDED REFLOW PROFILE :