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

Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 465 MHz

TST Parts No.:TB0206A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Andy Lee_____

Approval by:_____Francis Chen_____

Date:_____2004/01/07_____

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IF SAW Filter 465 MHz SMD 5X5mm

MODEL NO.: TB0206A REV. NO.2

RoHS Compliant
Lead free
Lead-free soldering

A. MAXIMUM RATING:

1.Operating Temperature: -0 (C ~ 70 (C

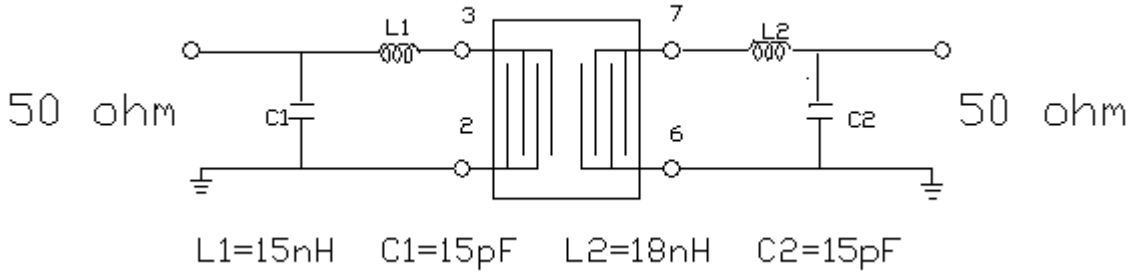
2. Storage Temperature: -40 (C ~ +85 (C

B. Characteristics :

1. Ambient Temperature: 25 (C

Characteristics		Value			Note
		Min.	Typ.	Max.	
Center frequency F_C	MHz	-	465	-	-
Minimum Insertion loss I.L.	dB	-	11.5	14	-
Lower 1 dB Bandedge	MHz	-	453.8	456.7	-
Upper 1 dB Bandedge	MHz	473.3	475.3	-	-
Passband Ripple (456.7~473.3MHz)	dB	-	0.5	1	-
Group Delay Ripple (456.7~473.3MHz)	dB	-	38	70	-
Input VSWR (456.7~473.3MHz)		-	1.2	2	-
Output VSWR (456.7~473.3MHz)		-	1.4	2	-
Attenuation:(Reference level from minimum insertion loss)					dB
1) 10 MHz….405 MHz	dB	45	54	-	-
2) 405 MHz ~ 440 MHz	dB	40	49	-	-
3) 490 MHz ~ 510 MHz	dB	40	47	-	-
4) 510 MHz ~ 580 MHz	dB	40	55	-	-

C. Measurement Circuit:



D. Frequency Characteristics :

1. S21 Response

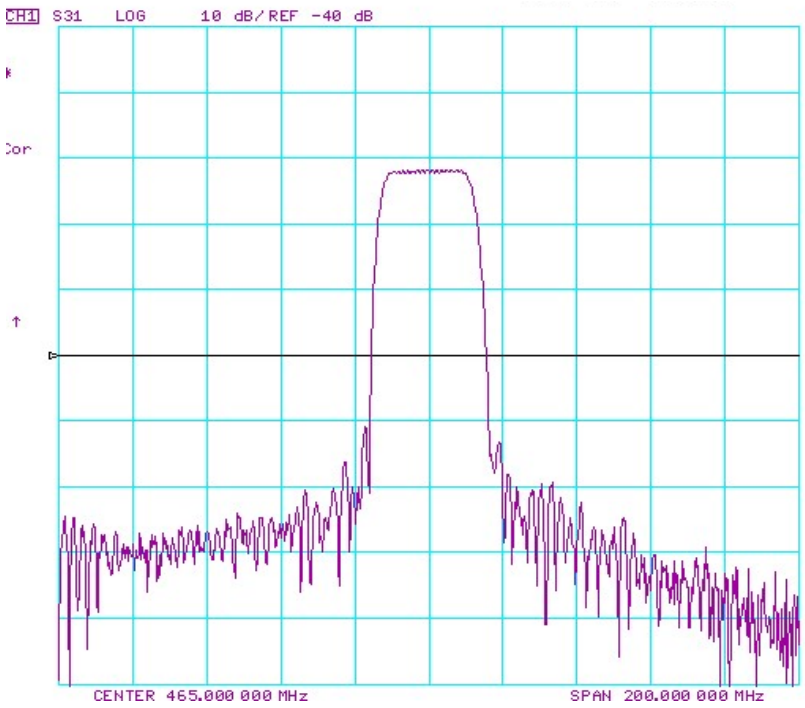


Fig1. Horizontal: 20MHz/Div Vertical: 10dB/Div

2. S21 Response (Group delay ripple of Passband)

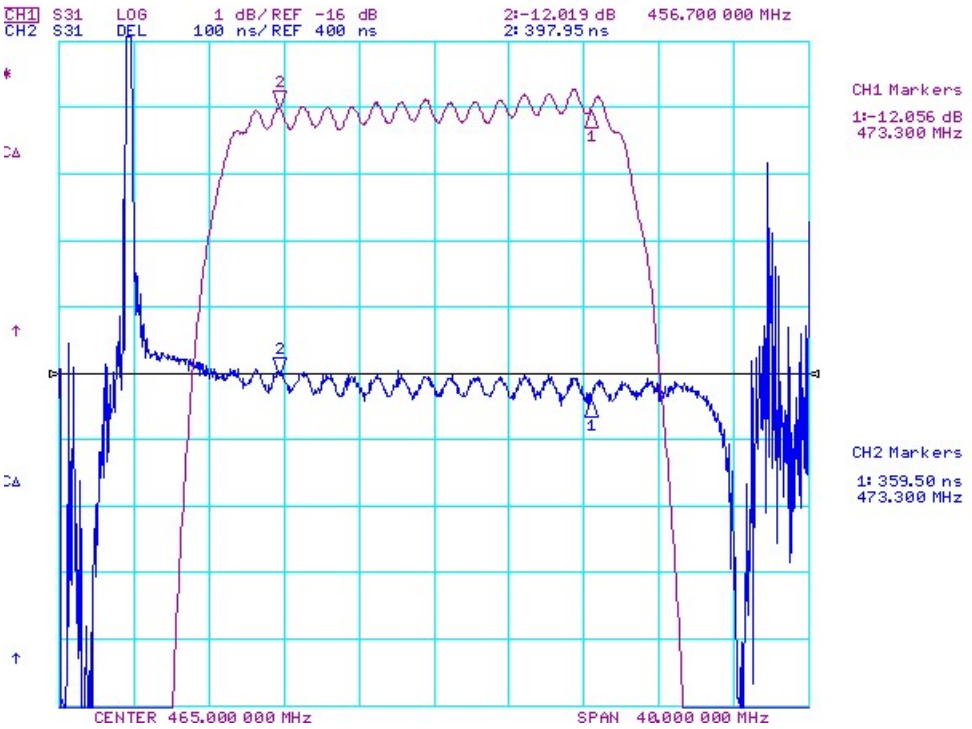


Fig2. Horizontal: 4MHz/Div Vertical: 1dB/Div
Vertical: 100nS/Div

3. S21 Response (Wideband)

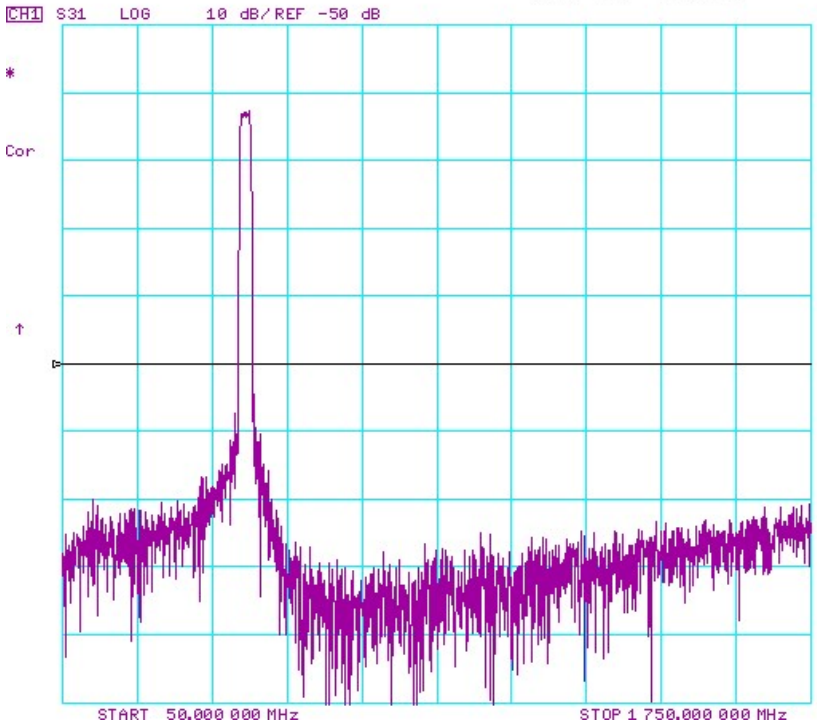
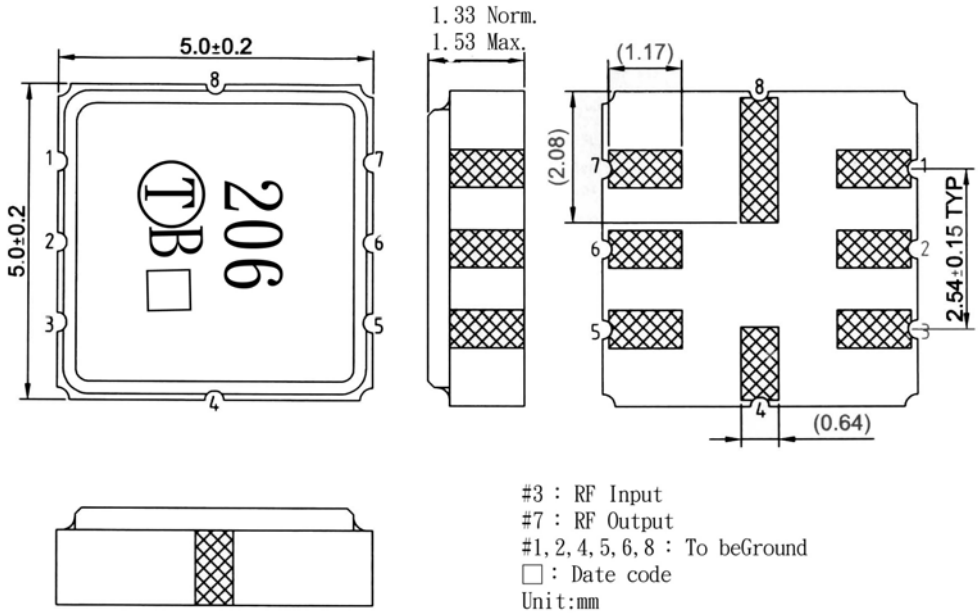


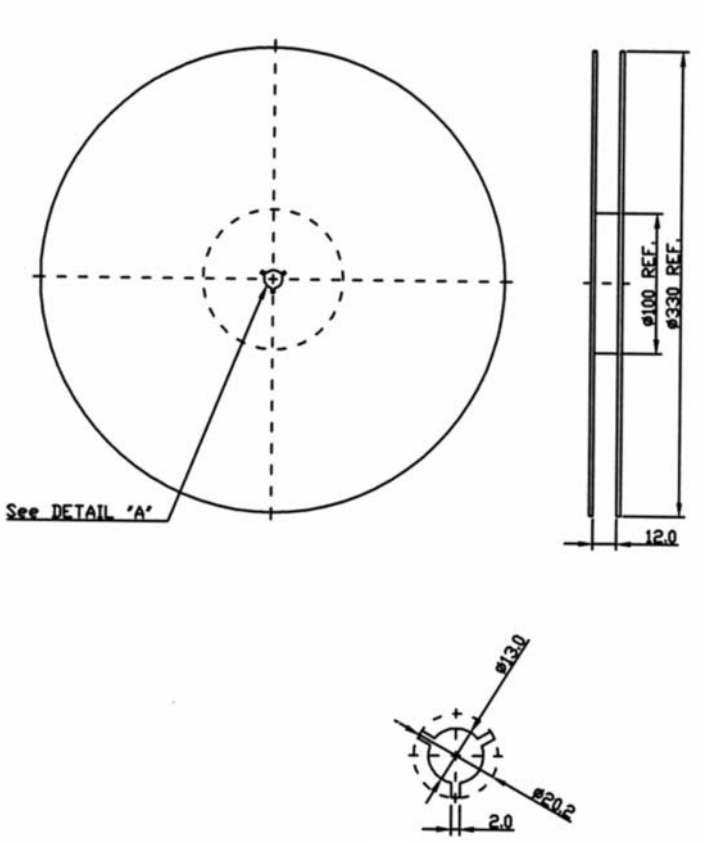
Fig3. Horizontal: 50MHz~1.75GHz Vertical: 10dB/Div

E. Outline Drawing:

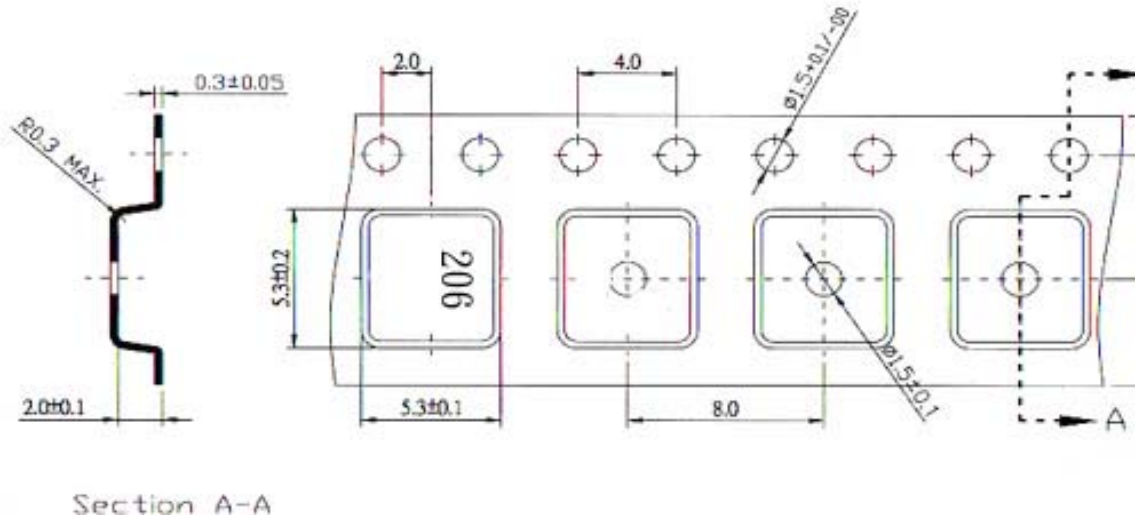


F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Section A-A