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: Nov, 28, 2003

Product Name: SAW Filter 243 MHz SMD 5.0x7.0 mm

TST Parts No.:TB0208A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Bob Chau_____

Approval by:_____Francis Chen_____

Date:_____Nov, 28, 2003_____

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SAW Filter 243MHz

MODEL NO.:TB0208A REV. NO.:1

A. MAXIMUM RATING:

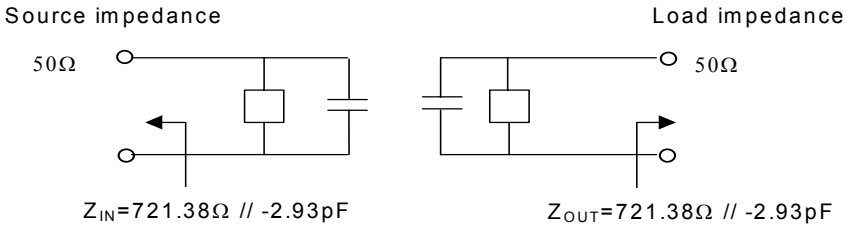
1. Input Power Level: 10 dBm
2. DC Voltage : 15V
3. Operating Temperature: -25°C to 60°C
4. Storage Temperature: -30°C to 70°C

RoHS Compliant
Lead free
Lead-free soldering

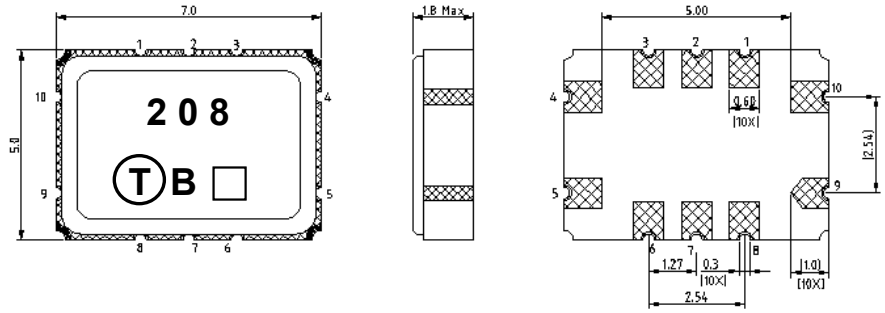
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, **Fc**	MHz	-	243	-	1
Minimum Insertion Loss, (**Fc**±25KHz) **IL**	dB	-	3.7	6.0	1
Passband Ripple (**Fc**±25KHz)	dB	-	0.2	1.0	1
Group delay ripple (**Fc**±25KHz), **GD**	μs	-	0.5	2.0	1
Attenuation:(Reference level from Min IL)					
Fc - 115 to **Fc** – 1 MHz	dB	50	63	-	-
Fc - 1 to **Fc** – 0.6 MHz	dB	42	64	-	-
Fc – 0.6 to **Fc** – 0.4 MHz	dB	29	68	-	-
Fc + 0.4 to **Fc** + 0.6 MHz	dB	29	64	-	-
Fc + 0.6 to **Fc** + 1 MHz	dB	42	63	-	-
Fc + 1 to **Fc** + 115 MHz	dB	50	55	-	-

Note1. The standard definitions is in JIS C 6703



C.OUTLINE DRAWING:



Pin configuration

#9 Input

#4 Output

#10 Balance input or input ground

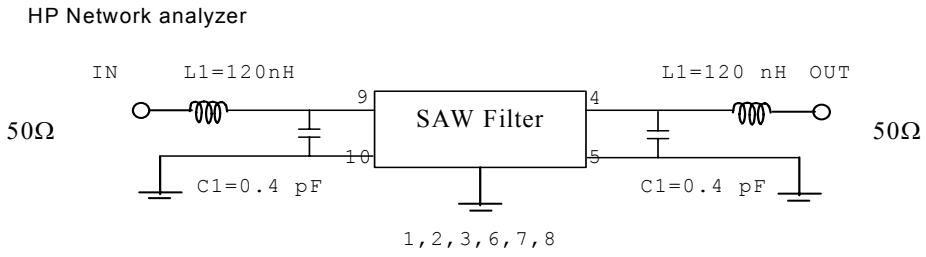
#5 Balance output or output ground

#1,2,3,6,7,8 To be grounded

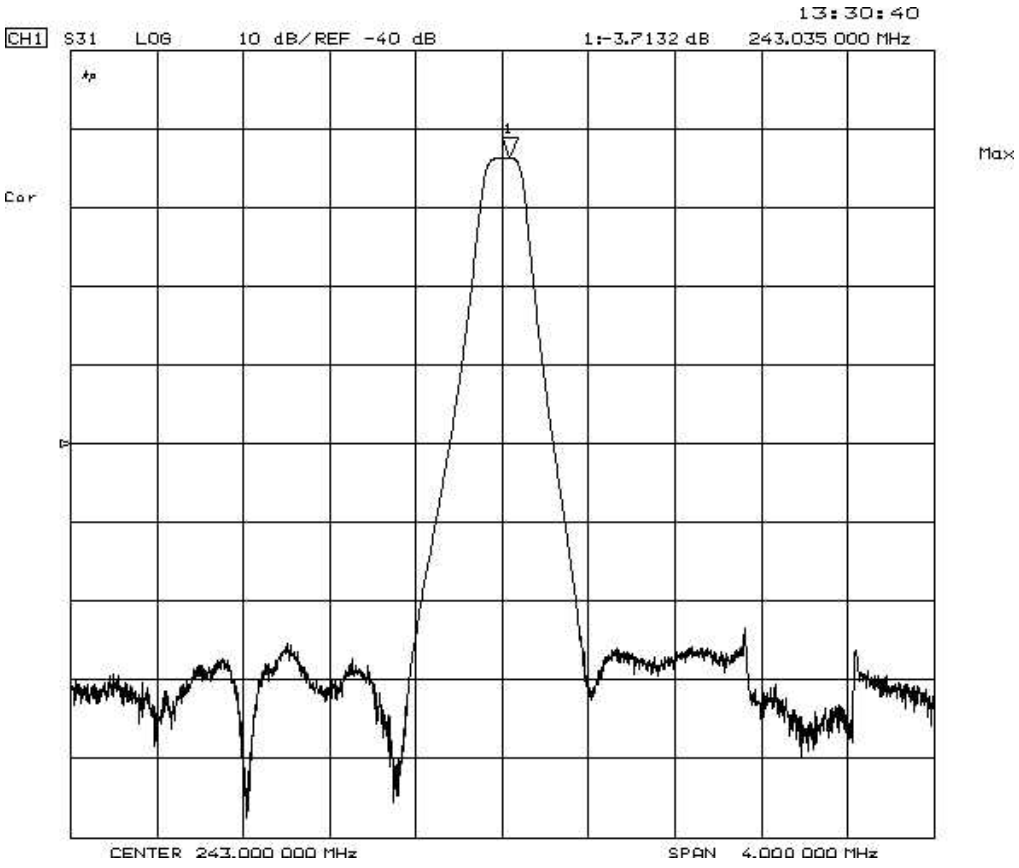
□ Date code

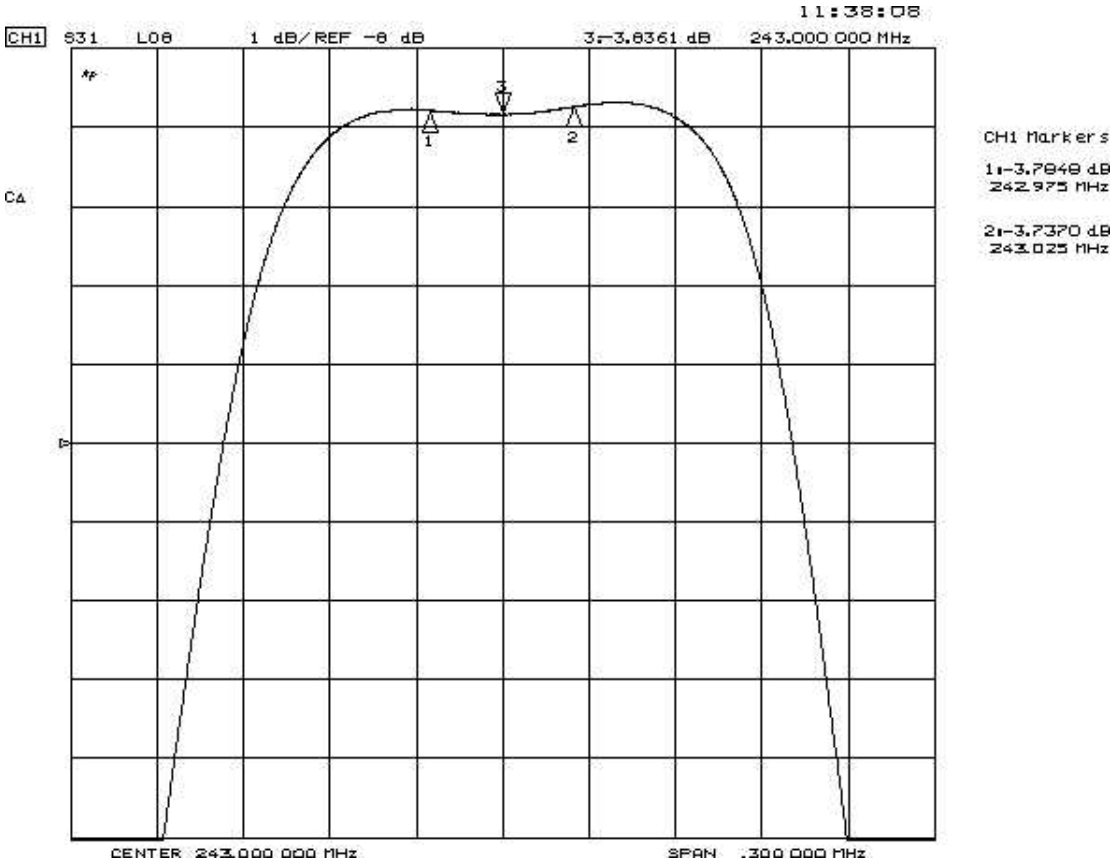
Unit mm

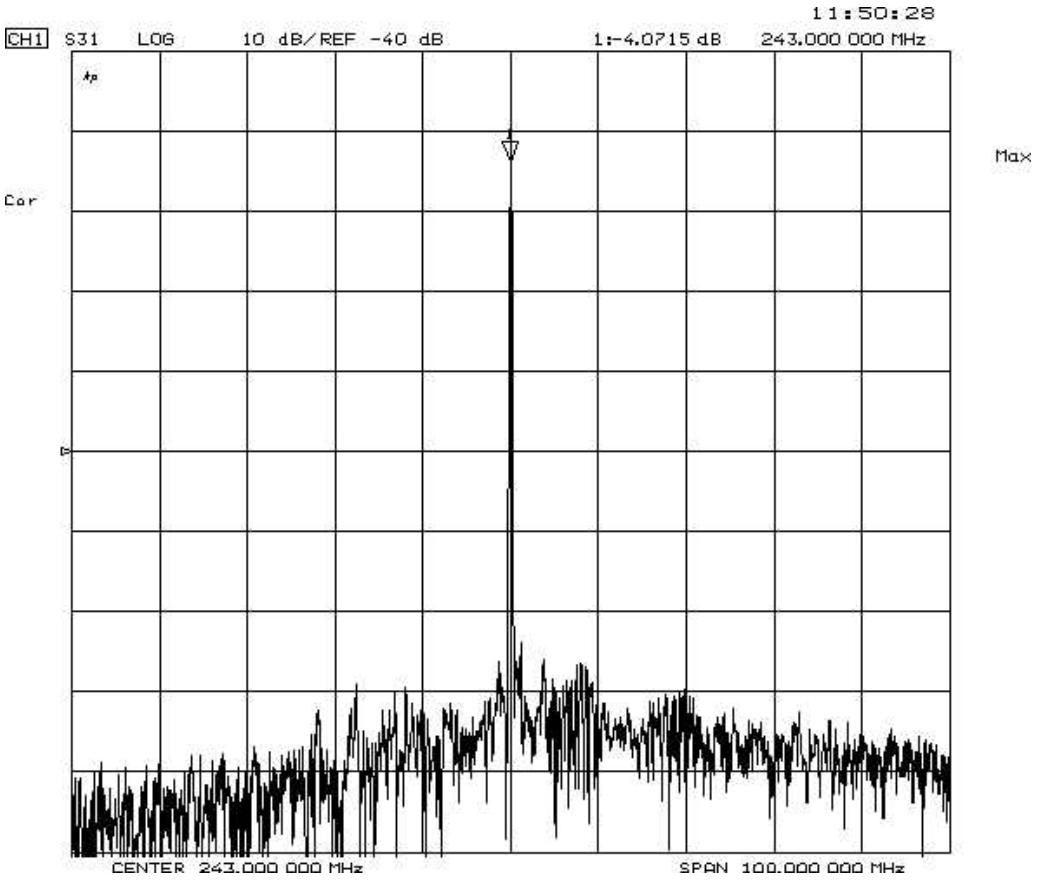
D. MEASUREMENT CIRCUIT:
50 Ohm Test circuit (single-ended / single-ended)

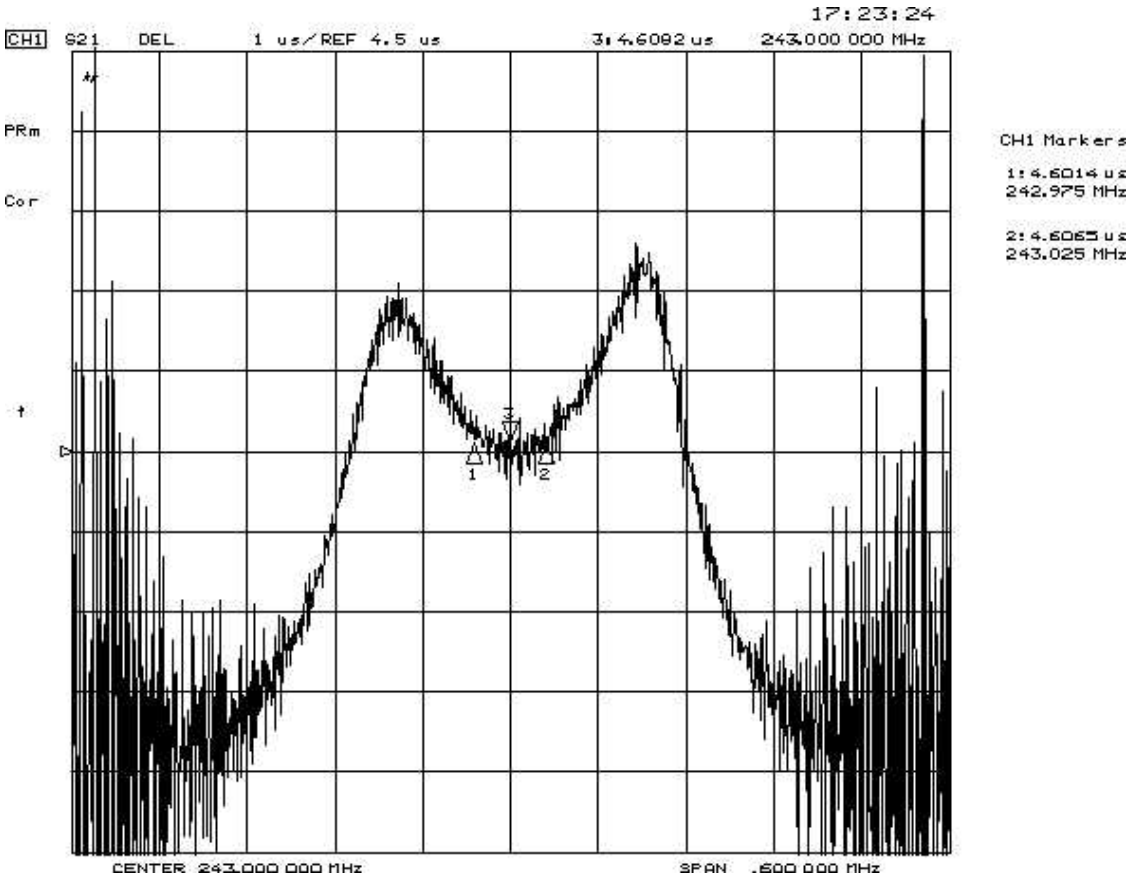


E. Frequency Characteristics :



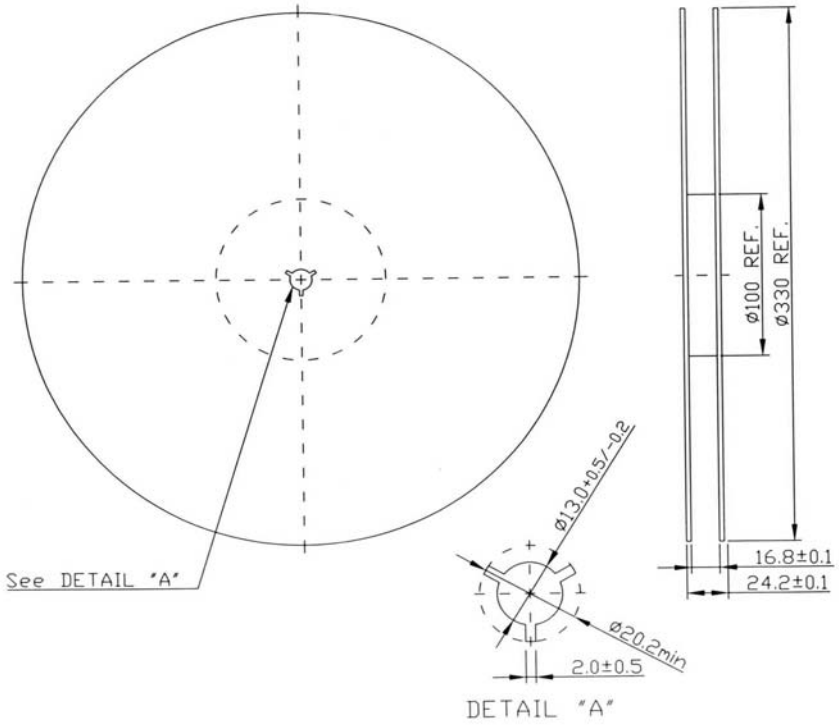



11:50:28
CH1 S31 LOG 10 dB/REF -40 dB 1:-4.0715 dB 243.000 000 MHz
Cor
Max
CENTER 243.000 000 MHz
SPAN 100.000 000 MHz


17:23:24
CH1 S21 DEL 1 us/REF 4.5 us 3:4.6082 us 243.000 000 MHz
PRm
Cor
CH1 Markers
1:4.6014 us
242.975 MHz
2:4.6065 us
243.025 MHz
CENTER 243.000 000 MHz
SPAN .600 000 MHz

F. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION