



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 240 MHz (SMD 13.3mmX6.5mm)

TST Parts No.:TB0309A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Lee

Approval by:_____ Francis Chen

Date:_____ 2005/6/30



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IF SAW Filter 240 MHz SMD 13.3mmX6.5mm

MODEL NO.: TB0309A

REV. NO. 1

A. MAXIMUM RATING:

1. Operating Temperature: -20 °C ~ +60 °C
3. Storage Temperature: -40 °C ~ +85 °C

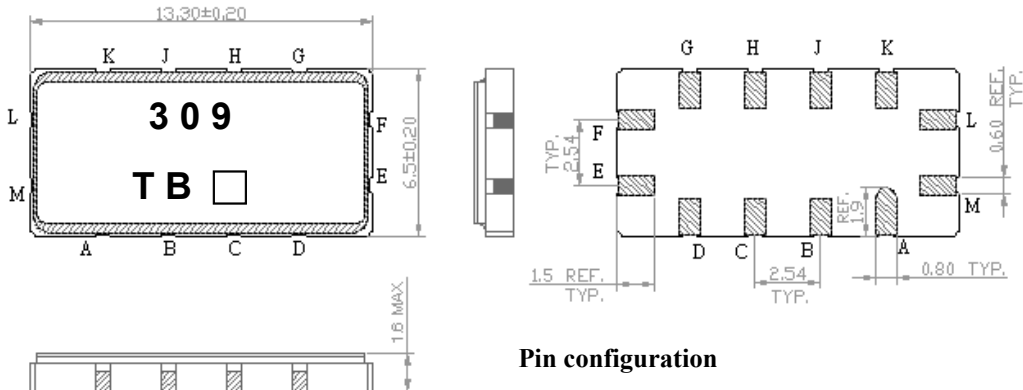
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Ambient Temperature: 25 °

Characteristics		Value			Note.	
		Min.		Max.		
Center frequency	F _C	MHz	239.92	239.96	240	-
Minimum Insertion loss	I.L.	dB	-	8.4	10	-
3dB Bandwidth		kHz	1000	1190	-	
Passband Ripple	(Fc±0.2MHz)	dB	-	0.2	1	-
Group Delay Ripple	(Fc±0.2MHz)	nS	-	100	200	-
Attenuation:(Reference level from minimum insertion loss)						
1)	Fc ± 1.0 MHz	dB	9	11.5	-	-
2)	Fc ± 1.75~2.5 MHz	dB	35	40	-	-
3)	Fc ± 2.5~3.5 MHz	dB	40	47	-	-
4)	Fc ± 3.50~50.0 MHz	dB	45	49	-	-

C.OUTLINE DRAWING:



Pin configuration

#L	Input or Balanced Input
----	-------------------------

#M Input ground or Balanced Input return

#E Output or Balanced Output

#F Output ground or Balanced Output return

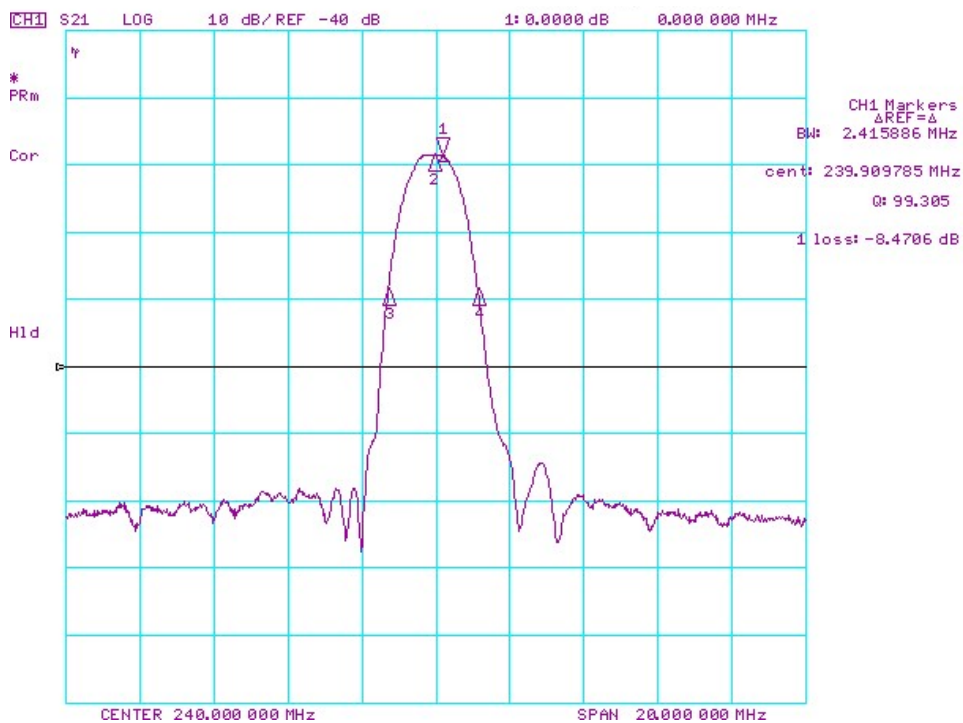
#A,B,C,D,G,H,J,K To be grounded

☐ Date code

Unit mm

D. Frequency Characteristics :

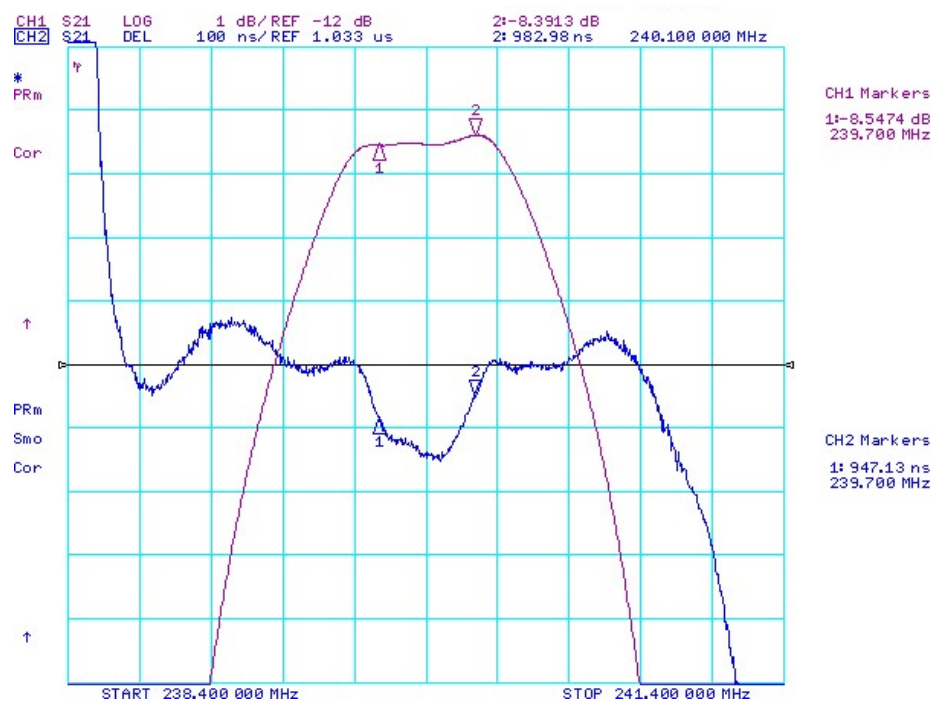
1. S21 Response



Horizontal : 2MHz/Div

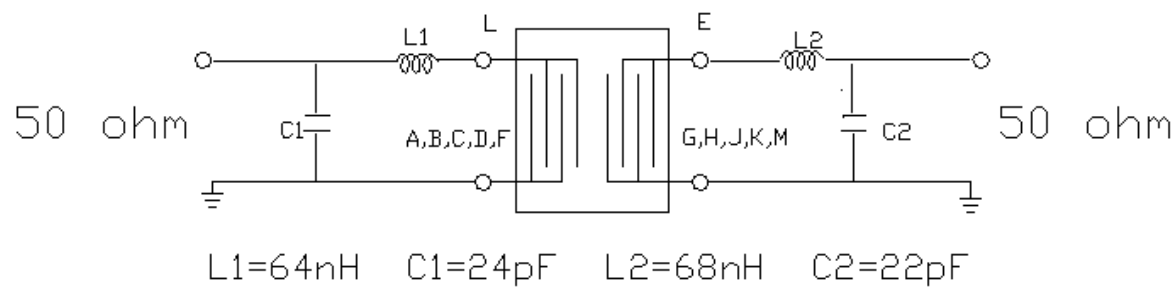
Vertical: 10dB/Div

2. Pass band Ripple and Group Delay Ripple

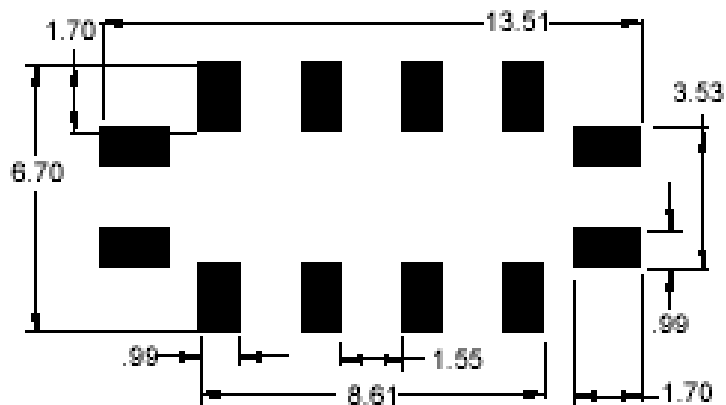


Horizontal : 0.3MHz/Div
Vertical: 1dB/Div
Vertical: 100nS/Div

E. TEST FIXTURE :

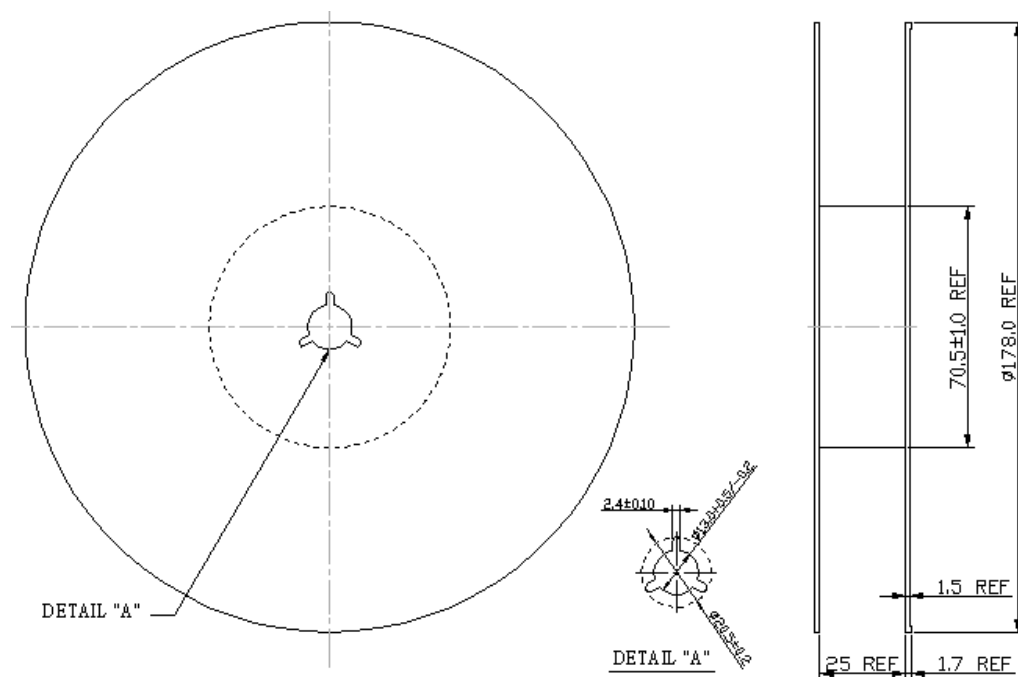


F. PCB FOOTPRINT



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

