



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 145 MHz (SMD 13.3mmX6.5mm)

TST Parts No.:TB0403A

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 145 MHz SMD 13.3mmX6.5mm

MODEL NO.: TB0403A

REV. NO. 1

A. MAXIMUM RATING:

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

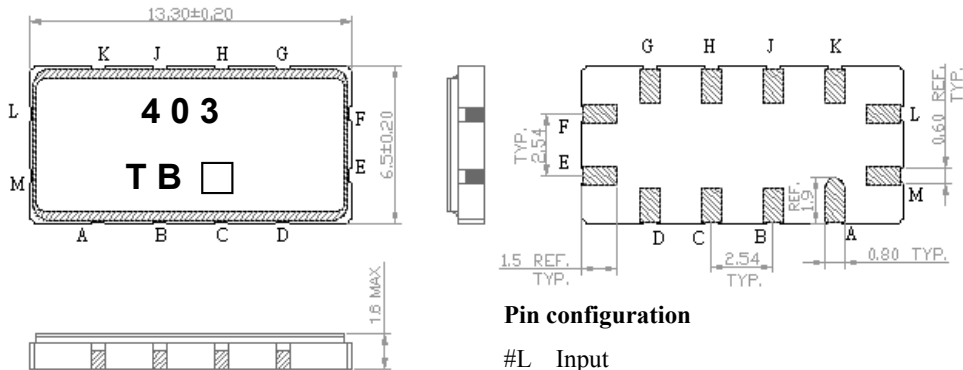
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Ambient Temperature: 25 °

Characteristics		Value			Note.
		Min.		Max.	
Center frequency	F_C MHz	-	145	-	-
Minimum Insertion loss	I.L. dB	-	14	16	-
3dB Bandwidth	MHz	-	6.0	6.2	
20dB Bandwidth	MHz	-	7.5	7.6	
40dB Bandwidth	MHz	-	10	11	
Passband Ripple (143~147MHz)	dB	-	0.8	1	-
Group Delay Ripple (143~147MHz)	nS	-	90	-	-
Attenuation:(Reference level from minimum insertion loss)					
1)	DC ~ 135 MHz	40	47	-	-
2)	135MHz ~ 139 MHz	40	44	-	-
3)	151MHz ~ 155 MHz	35	40	-	-
4)	155MHz ~ 255 MHz	40	43	-	-

C.OUTLINE DRAWING:



Pin configuration

#L Input

#M Input Ground

#E Output

#F Output Ground

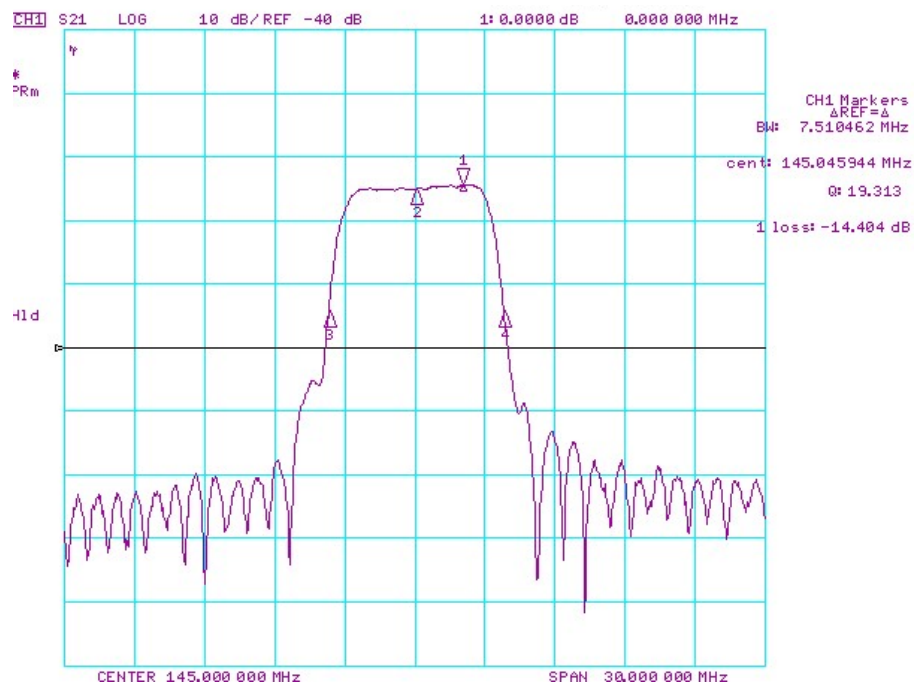
#A,B,C,D,G,H,J,K To be grounded

□ Date code

Unit mm

D. Frequency Characteristics :

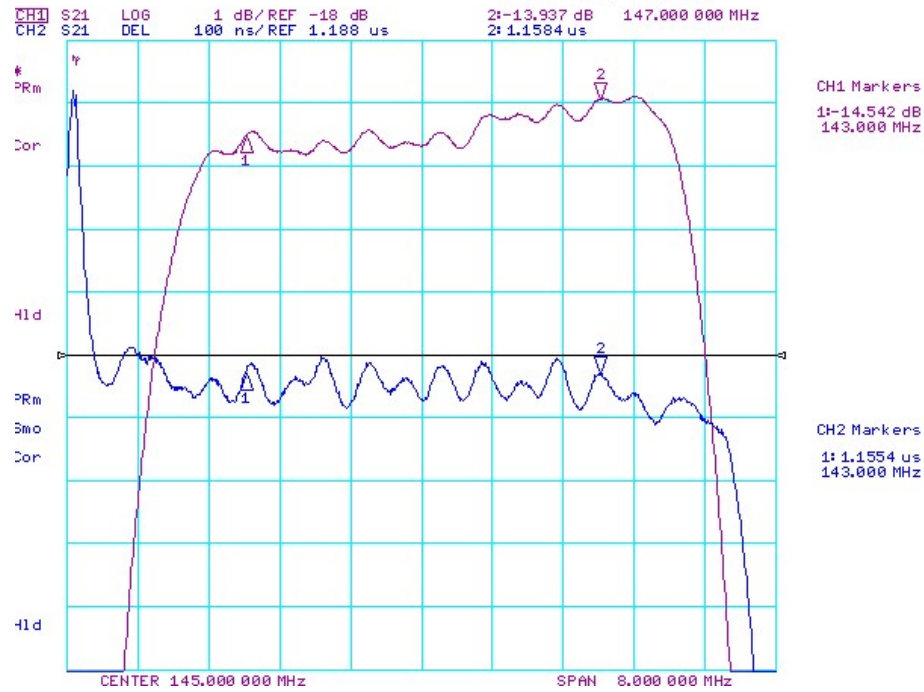
1. S21 Response



Horizontal : 3MHz/Div

Vertical: 10dB/Div

2. Pass band Ripple and Group Delay Ripple

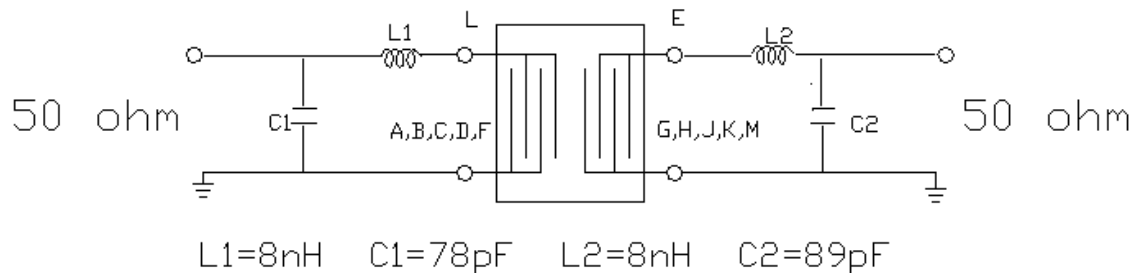


Horizontal : 0.8MHz/Div

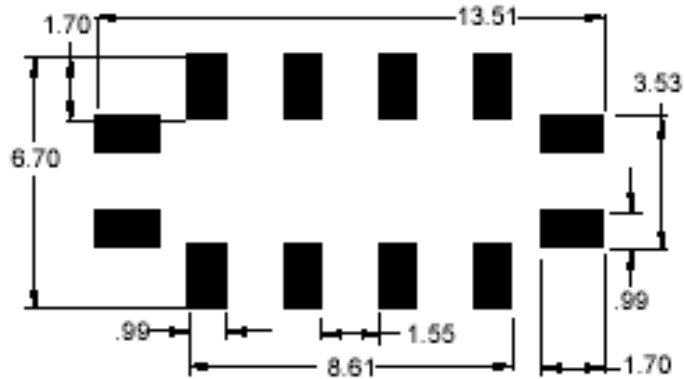
Vertical: 1dB/Div

Vertical: 100nS/Div

E. TEST FIXTURE :



F. PCB FOOTPRINT



G. PACKING:

1. REEL DIMENSION

