



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 190 MHz(SMD 5X5)

TST Parts No.:TB0293A

Customer Parts No.:_____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 2005/05/13



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IF SAW Filter 190Hz SMD 5X5mm

MODEL NO.: TB0293A

REV. NO.:1

A. MAXIMUM RATING:

1. Operating Temperature: -40 °C ~ +80 °C
2. Storage Temperature: -40 °C ~ +85 °C

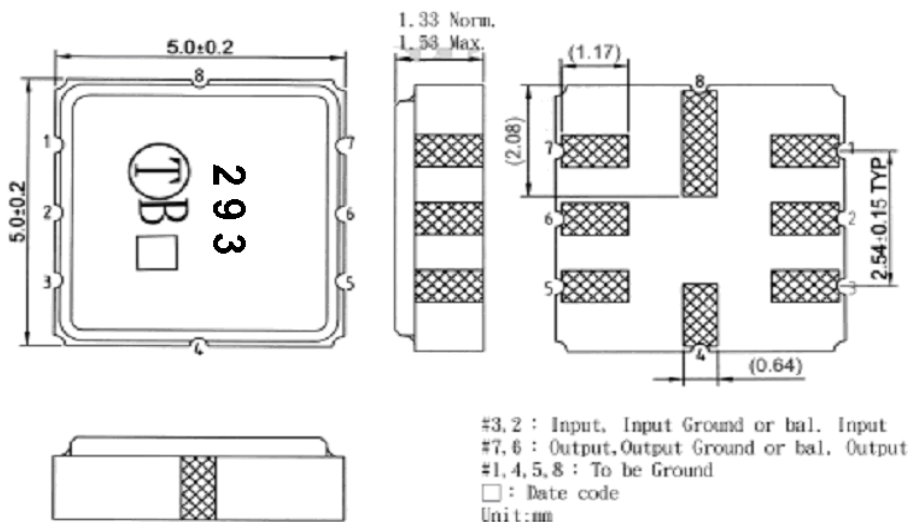
RoHS Compliant
Lead free
Lead-free soldering

B. Characteristics :

1. Ambient Temperature: 25 °

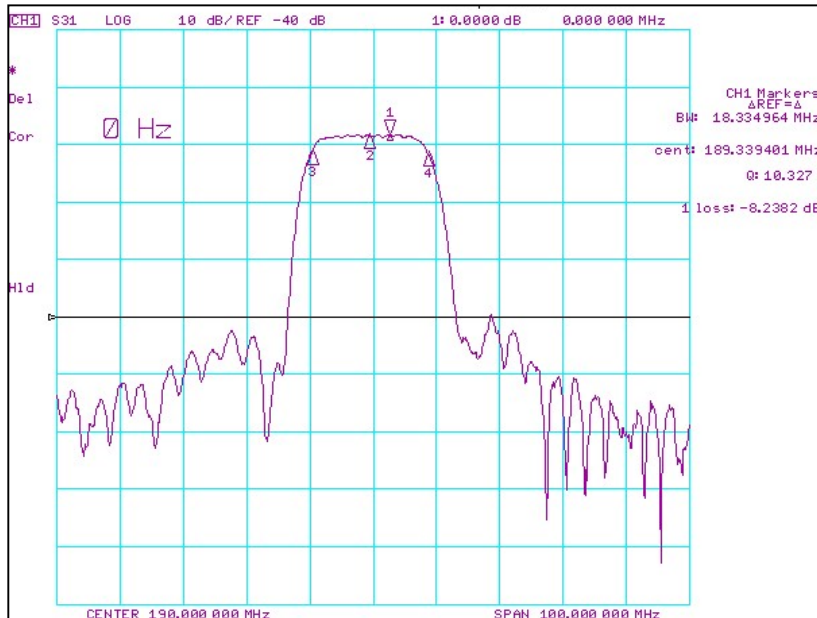
Characteristics		Value			Note
		Min.	Typ.	Max.	
Center frequency	F _C MHz	-	190	-	-
1dB Bandwidth	MHz	10	15		
3dB Bandwidth	MHz	-	18	-	-
Maximum Insertion loss	I.L. dB	-	8.0	10	-
Passband Ripple (185~195MHz)	dB	-	0.8	1	-
Group Delay Ripple (185~195MHz)	nS	-	46	100	-
Attenuation:(Reference level from minimum insertion loss)					
1)	DC ~ 100 MHz	45	54	-	-
2)	100 ~ 149 MHz	30	34	-	-
3)	190 ~ 250 MHz	30	34	-	-
4)	250~ 300 MHz	45	50	-	

C. OUTLINE DRAWING:



D. Frequency Characteristics :

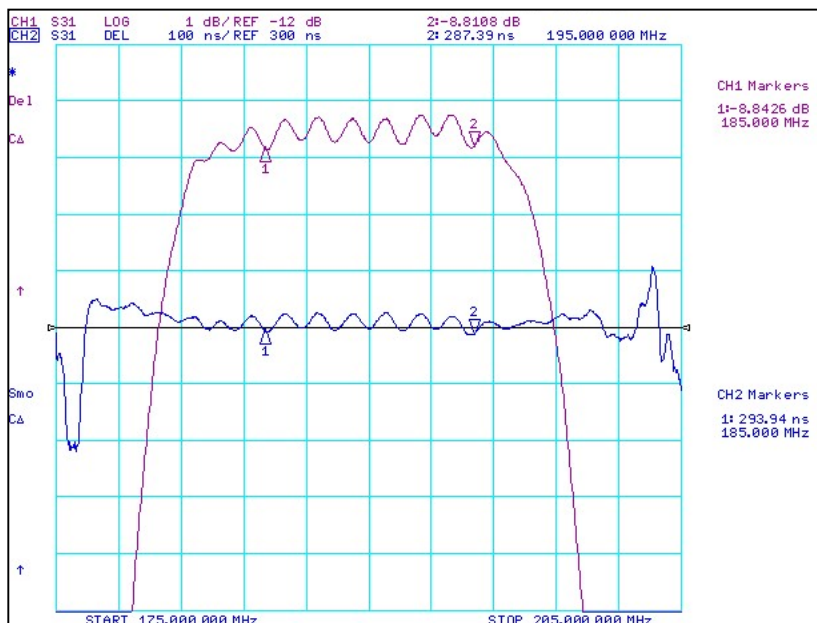
1. S21 Response



Horizontal : 10MHz/Div

Vertical : 10dB/Div

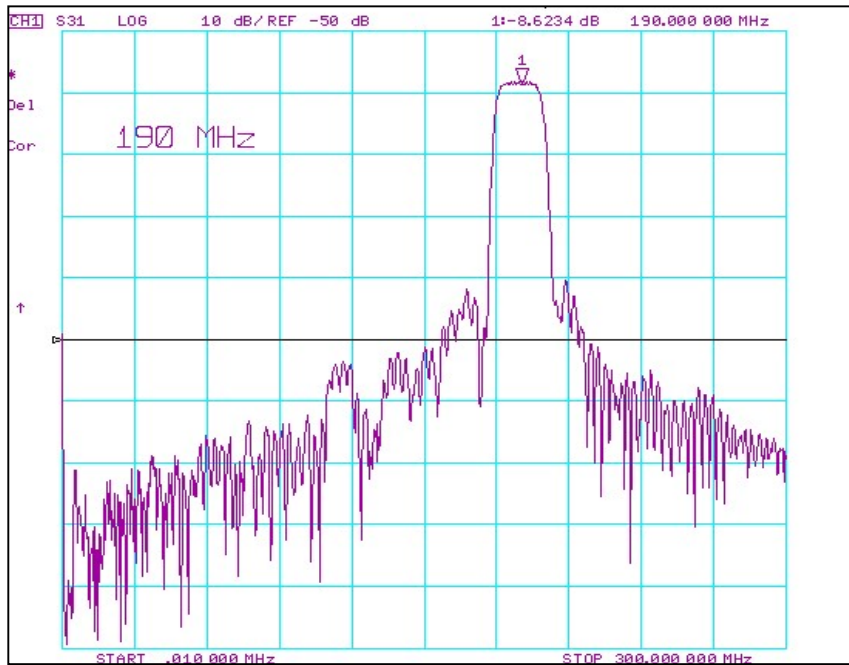
2. Pass band Ripple and Group Delay Ripple



Horizontal : 3MHz/Div

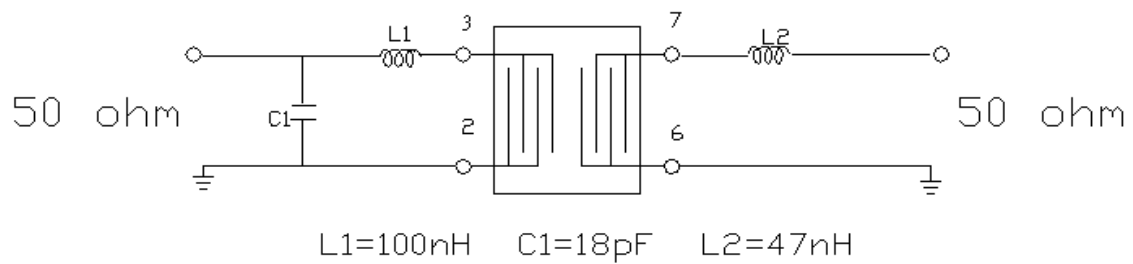
Vertical : 1dB/Div ; 100nS/Div

3. Wide band Response



Horizontal : 10MHz~300MHz

E. TEST FIXTURE :



2. TAPE DIMENSION

