



TAI-SAW TECHNOLOGY CO., LTD.

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

Product Name: IF SAW Filter 190 MHz 10MHz BW SMD 5x5 mm

TST Parts No.:TB0293A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Hayley Chou *Hayley Chou*

Approval by:_____ Andy Yu *Andy Yu*

Date:_____ 2016/07/29

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes



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IF SAW Filter 190 MHz 10MHz BW SMD 5x5 mm

MODEL NO.: TB0293A

REV. NO.:3.0

A. MAXIMUM RATING:

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

RoHS Compliant
Lead free
Lead-free soldering

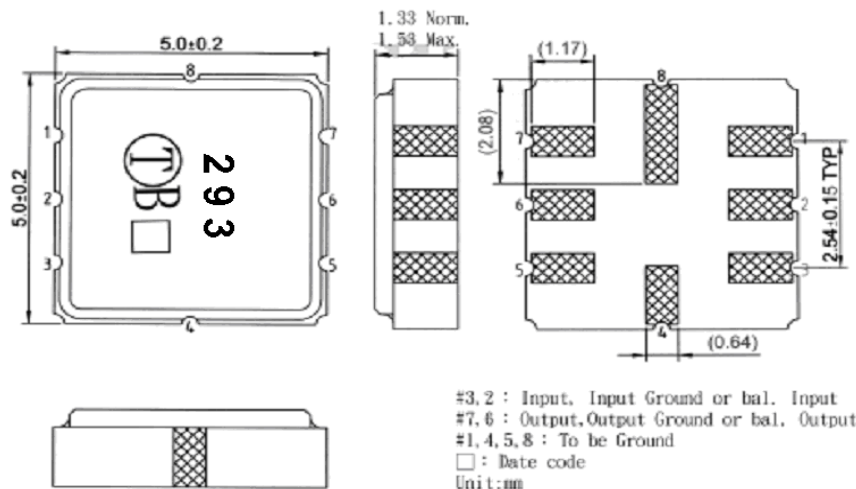
B. ELECTRICAL CHARACTERISTICS:

Electrostatic Sensitive Device (ESD)

1. Ambient Temperature: 25 °

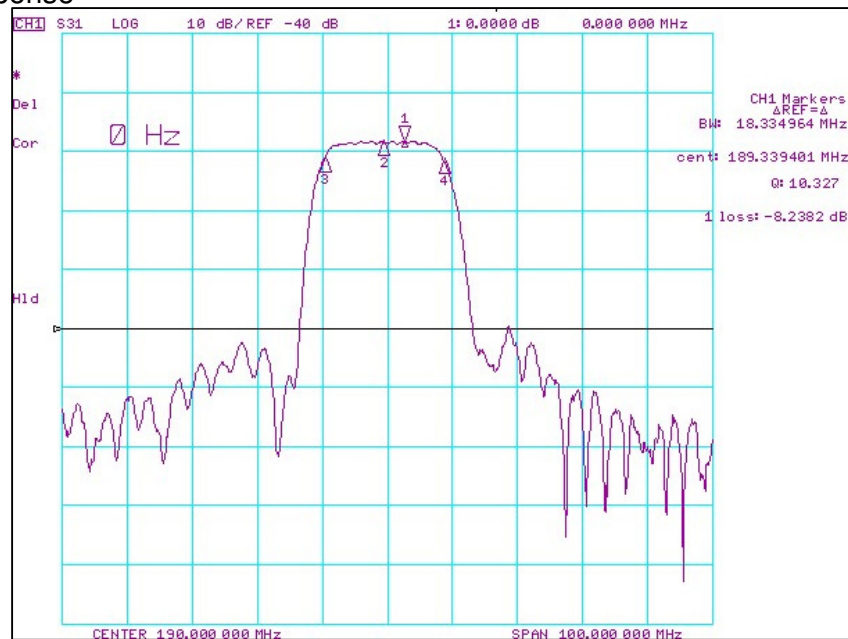
Characteristics	Unit	Value			Note
		Min.	Typ.	Max.	
Center frequency F_C	MHz	-	190	-	-
1dB Bandwidth	MHz	10	15		
3dB Bandwidth	MHz	-	18	-	-
Maximum Insertion loss I.L.	dB	-	8.0	10	-
Pass band Ripple (185~195MHz)	dB	-	0.8	1	-
Group Delay Ripple (185~195MHz)	nS	-	46	100	-
Attenuation: (Reference level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

C. OUTLINE DRAWING:



D. FREQUENCY CHARACTERISTIC:

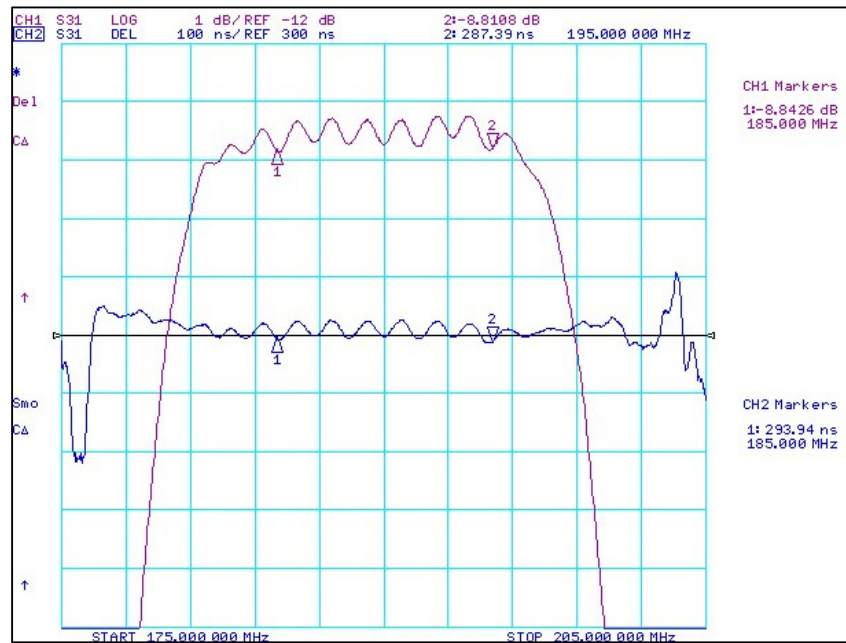
1. S21 Response



Horizontal: 10MHz/Div

Vertical : 10dB/Div

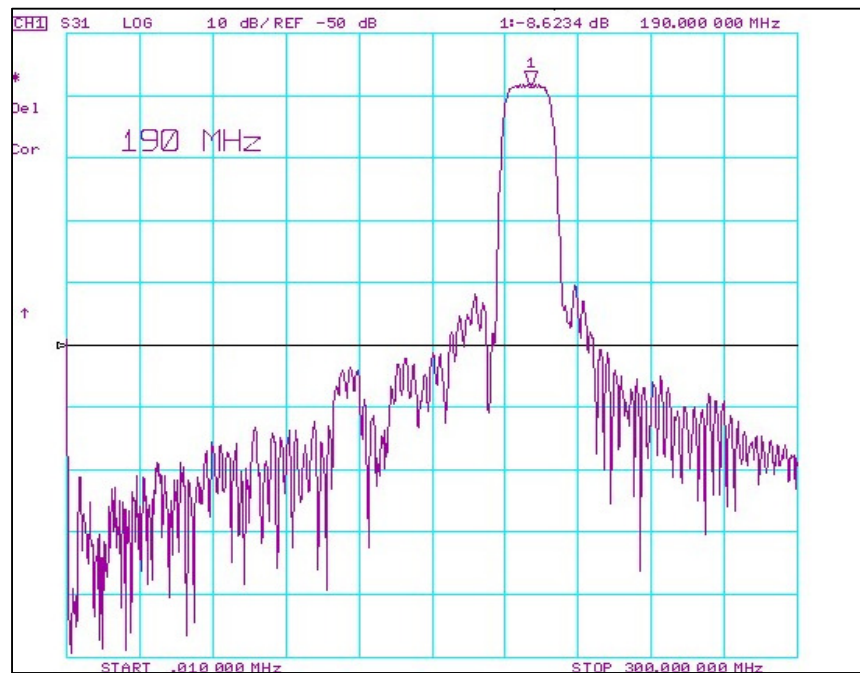
2. Pass band Ripple and Group Delay Ripple



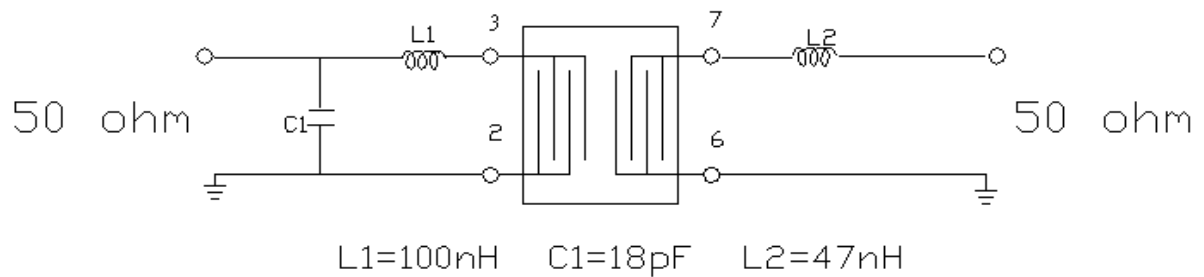
Horizontal: 3MHz/Div

Vertical : 1dB/Div ;100nS/Div

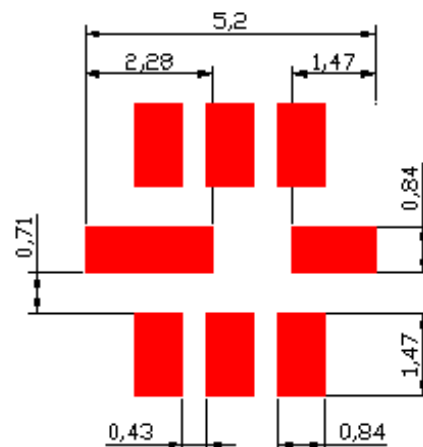
3. Wide band Response



E. MEASUREMENT CIRCUIT:

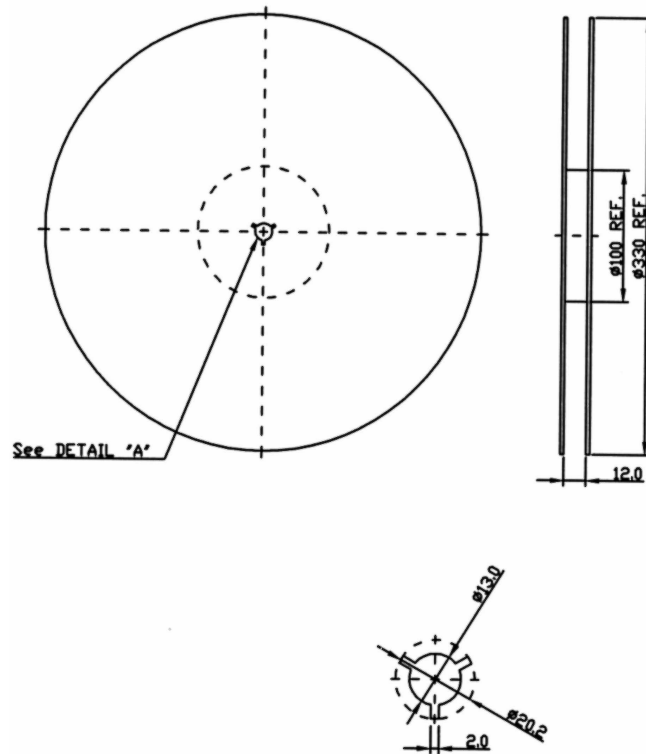


F. PCB FOOTPRINT:

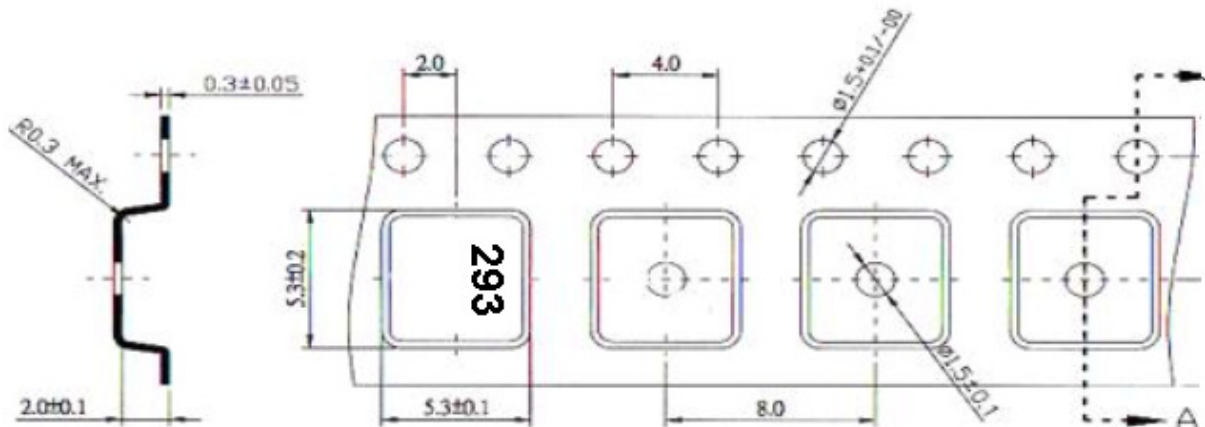


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

