



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 315MHz SMD3.8X3.8mm

TST Parts No.: TA0500A

Customer Parts No.: _____

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

Checked by: _____ Asin Lin

Approval by: _____ Francis Chen

Date: _____ 2005/6/29



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SAW Filter 315 MHz

MODEL NO.: TA0500A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

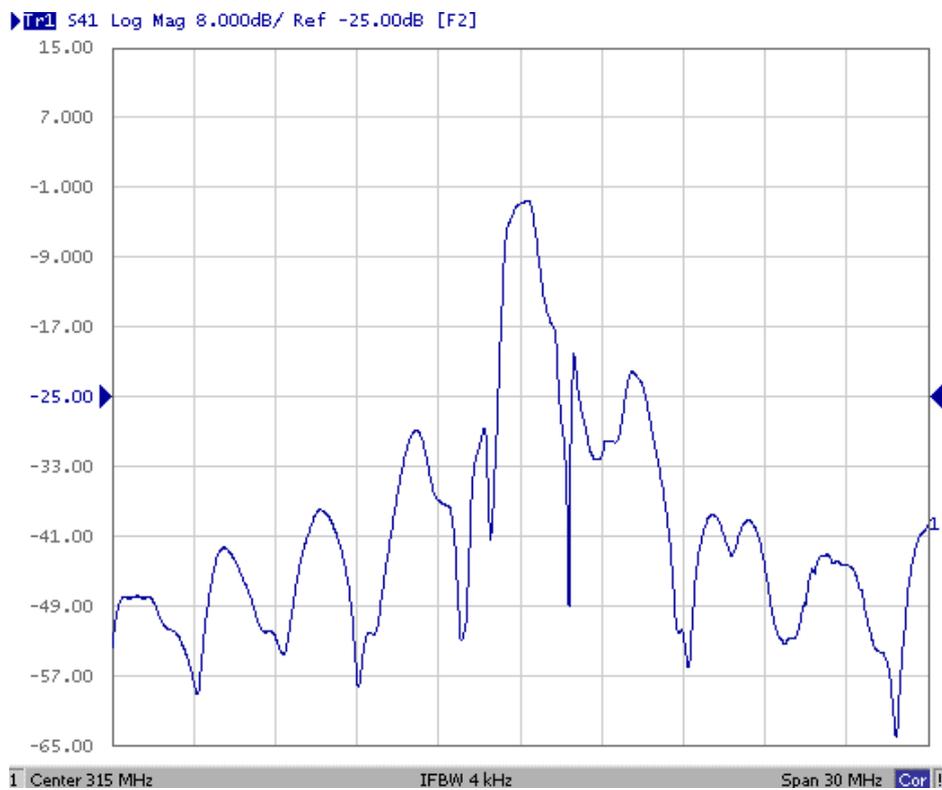
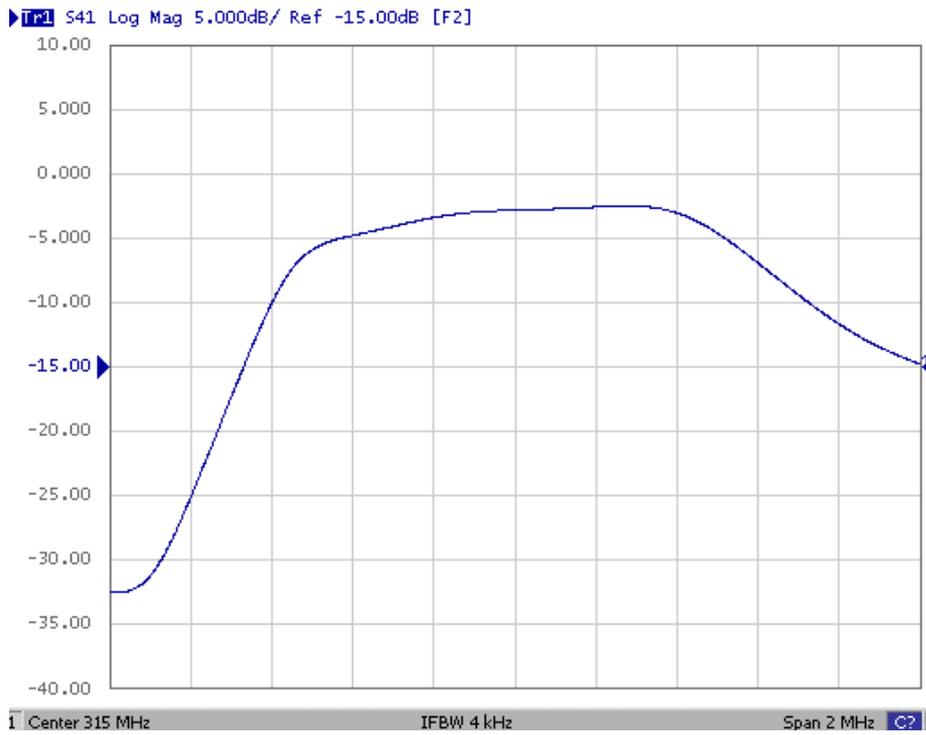
B. ELECTRICAL CHARACTERISTICS:

TA= -40°C to +95°C

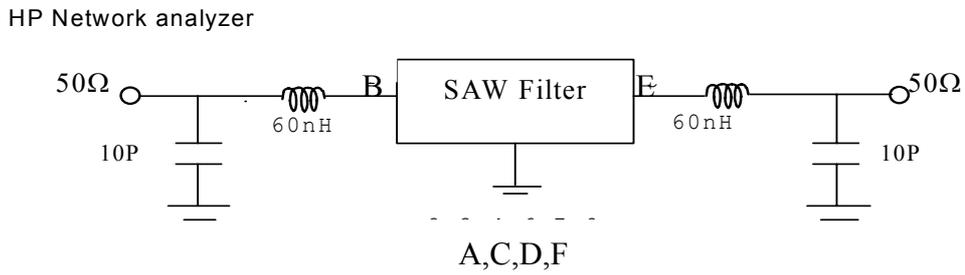
Item	Min.	Typ.	Max.	Note
Center frequency F_c (MHz)	-	315	-	1
Minimum I.L. (314.82~315.22 MHz) (dB) IL_{min}	-	2.4	4.0	
Pass band (relative to IL_{min})				
314.77~315.2 MHz (dB)	-	1.5	3.0	1
314.71~315.26 MHz (dB)	-	2.0	6.0	
Pass bandwidth (relative to IL_{min}) BW_3 (KHz)	800	970	-	
Attenuation:(relative to IL_{min}) (dB)				
10~270 MHz (dB)	45	50	-	1
270~309 MHz (dB)	30	35	-	
309~313.94 MHz (dB)	15	20	-	
316.5~335 MHz (dB)	10	15	-	
335~400 MHz (dB)	35	40	-	
400~1000 MHz (dB)	45	50	-	
Impedance at F_c ; Input $Z_{IN}=R_{IN}/C_{IN}$ Output $Z_{OUT}=R_{OUT}/C_{OUT}$	373Ω // 5.0 pF 373Ω // 5.0 pF			

Note1. The standard definitions is in JIS C 6703

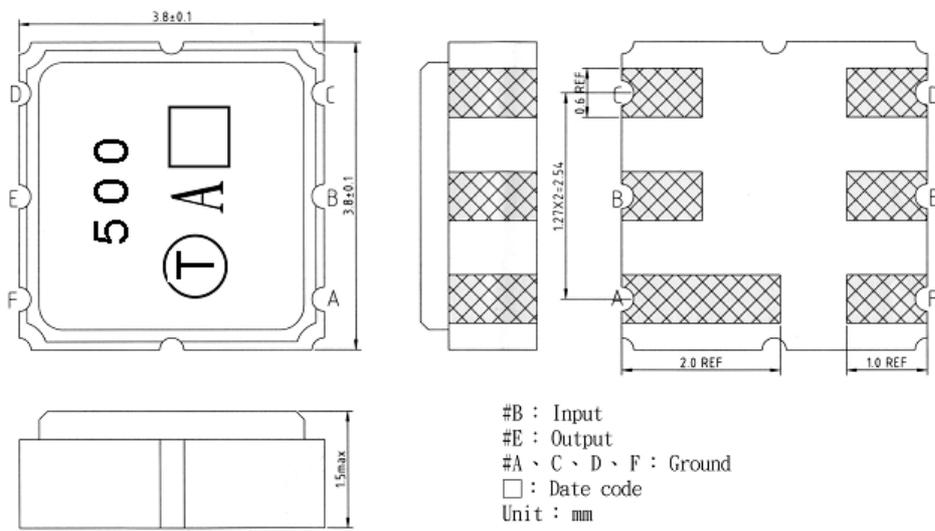
C.FREQUENCY CHARACTERISTICS:



D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



F. PCB FOOTPRINT

