



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 400MHz SMD 3.0x3.0mm

TST Parts No.:TA0971A

Customer Parts No.: _____

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

Checked by: _____ Andy Yu *Andy Yu*

Approval by: _____ Francis Chen *Francis Chen*

Date: _____ 2009/12/10

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



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SAW Filter 400 MHz

MODEL NO.: TA0971A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC voltage: 6 V
3. Operating Temperature: -40°C to +125°C
4. Storage Temperature: -40°C to +125°C

RoHS Compliant
Lead free
Lead-free soldering

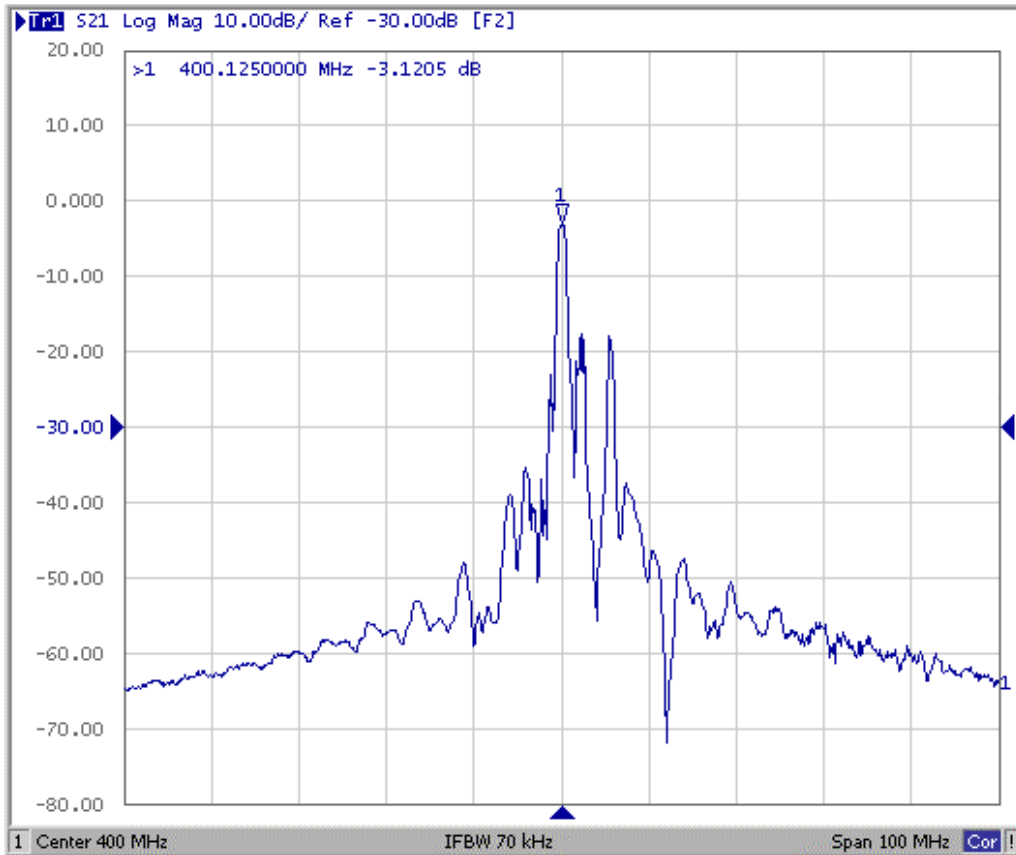
B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.	Note
Center frequency F_c (MHz)	-	400	-	1
Minimum I.L. (dB) IL_{min}	-	3.0	4.0	
Pass band (relative to IL_{min}) 399.875~400.125 MHz (dB)	-	0.7	3.0	1
Attenuation:(relative to IL_{min}) (dB)				
10.0~370.0 MHz (dB)	50	56	-	1
370.0~390.0 MHz (dB)	42	46	-	
390.0~398.8 MHz (dB)	22	25	-	
401.0~409.0 MHz (dB)	10	22	-	
409.0~414.0 MHz (dB)	30	40	-	
414.0~800.0 MHz (dB)	42	50	-	
800.0~2500.0 MHz (dB)	45	55	-	
Impedance at F_c ; Input $Z_{IN}=R_{IN}/C_{IN}$ Output $Z_{OUT}=R_{OUT}/C_{OUT}$	865Ω // 2 pF 865Ω// 2 pF			
Turnover To (deg.C)				

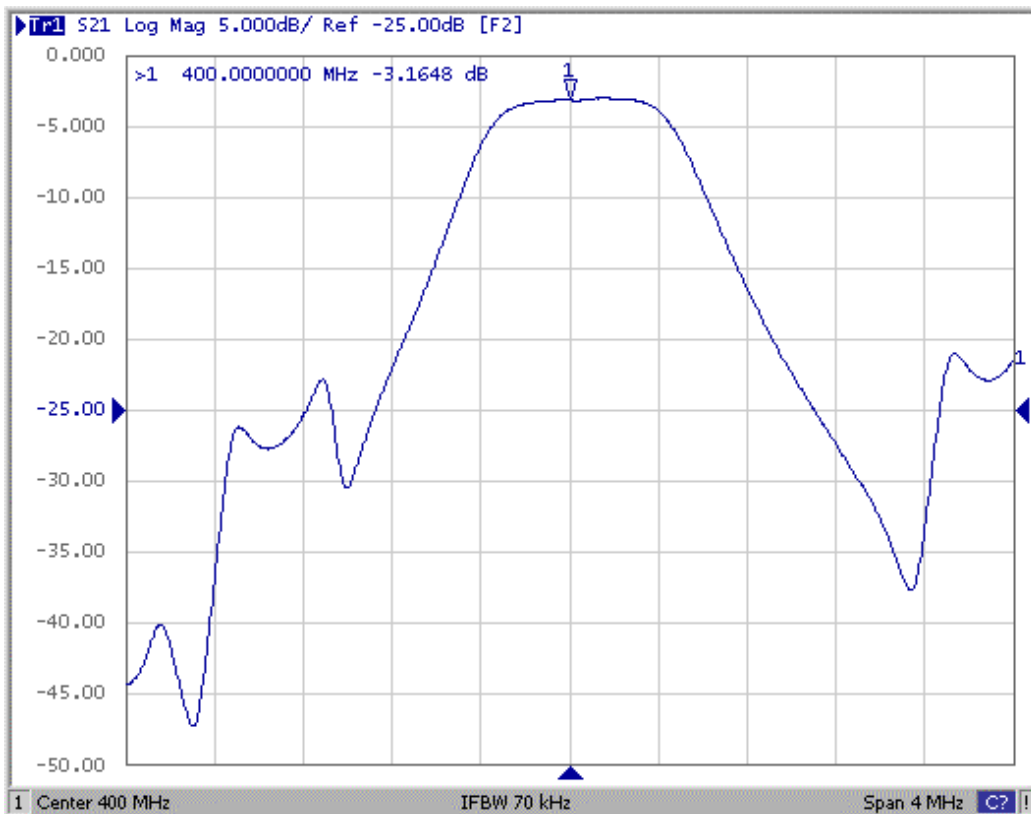
Note1. The standard definitions is in JIS C 6703

C. Frequency Characteristics :

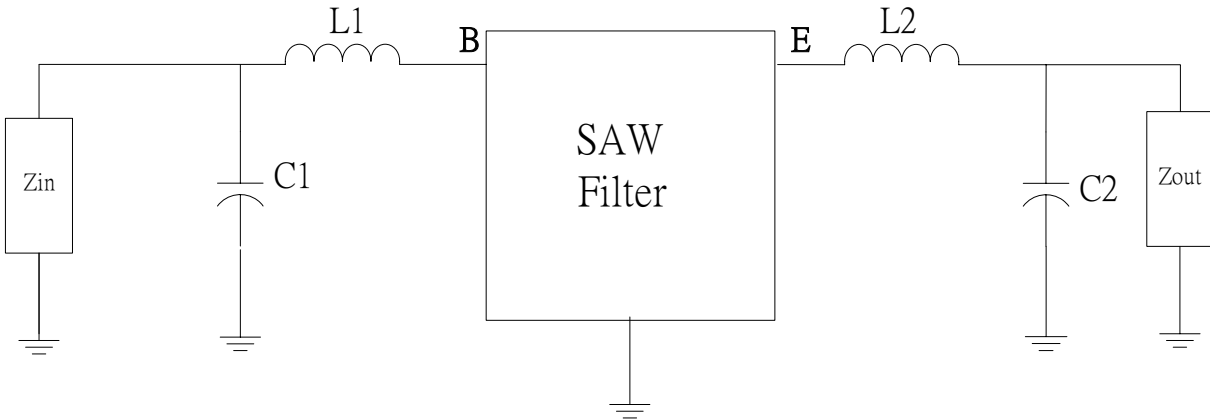
(1) wide band Response: (span 100MHz)



(2) Pass band Response:(span 4MHz)

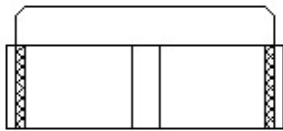
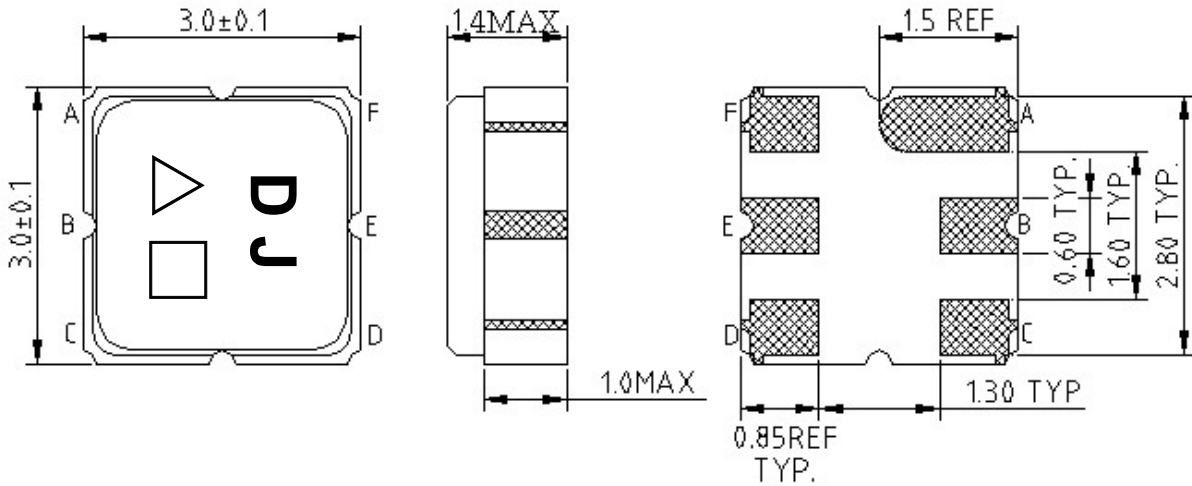


D. MEASUREMENT CIRCUIT:



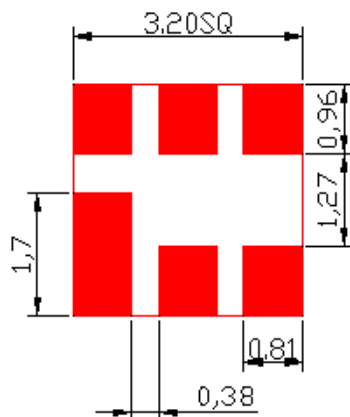
$Z_{in}=Z_{out}=50\Omega$
 $L1=L2=68nH, C1=C2=6.8pF$

E. OUTLINE DRAWING:



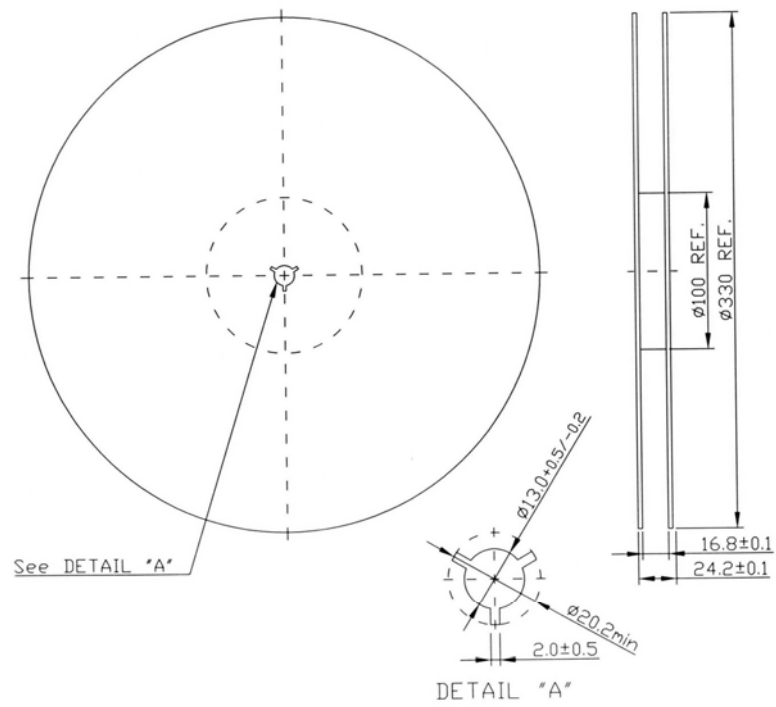
- #B: Input
 - #E: Output
 - #A,C,D,F: Ground
 - △: Year code (ex 2008→8)
 - : Date code
- Unit: mm

F. PCB FootPrint



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

