



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: SAW Filter 810MHz SMD 3.0×3.0mm

TST Parts No.:TA0424A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2005/02/17



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SAW Filter 810 MHz

MODEL NO.: TA0424A

REV. NO.:1

A. MAXIMUM RATING:

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

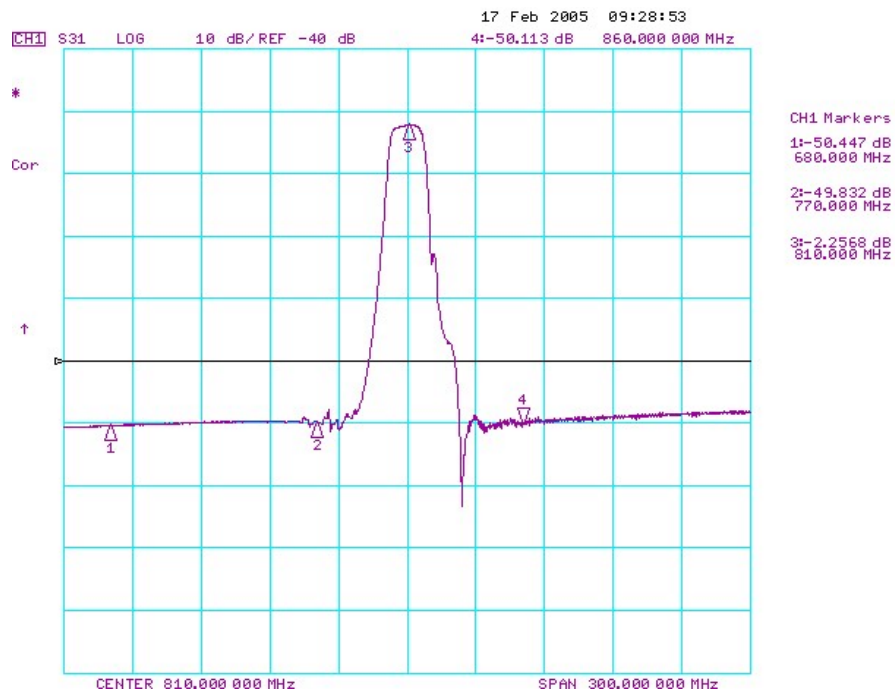
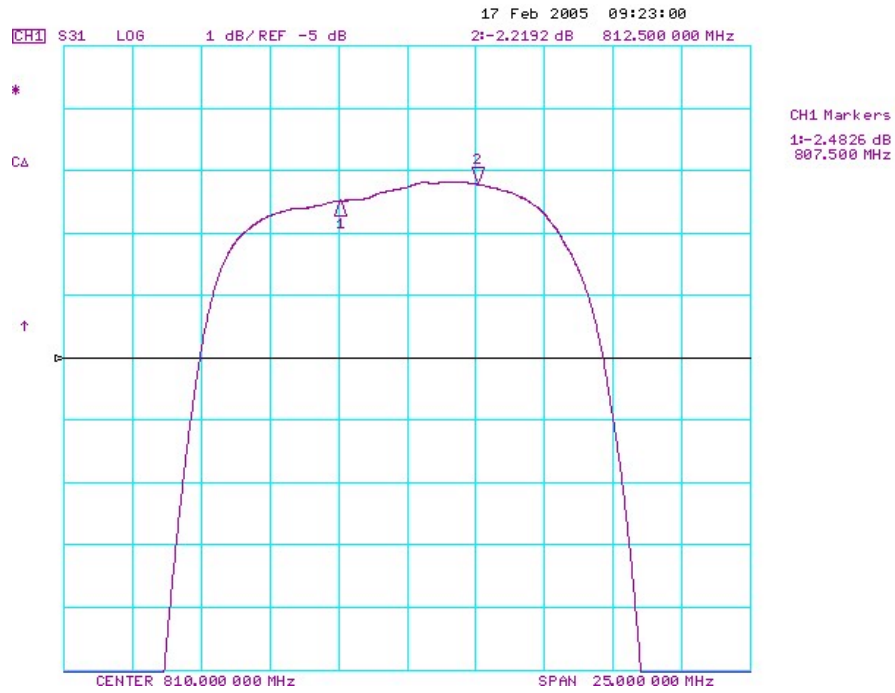
RoHS Compliant
Lead free
Lead-free soldering

B. CHARACTERISTICS:

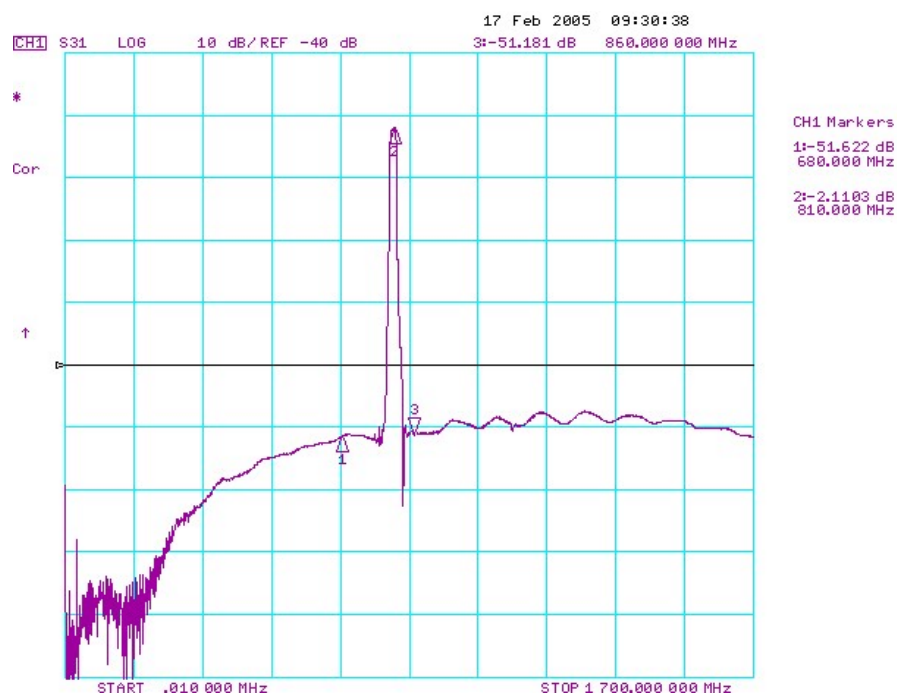
Item				Min.	Typ.	Max.
Center frequency	F _c	MHz		-	810	-
Insertion loss	807.5 ~ 812.5 MHz	IL	dB	-	2.7	5.0
Amplitude ripple	807.5 ~ 812.5 MHz		dB	-	0.5	1.8
Group delay variation	807.5 ~ 812.5 MHz		ns	-	17	150
1dB Bandwidth	BW _{-1dB}		MHz	-	12	-
3dB Bandwidth	BW _{-3dB}		MHz	-	14.8	-
10dB Bandwidth	BW _{-10dB}		MHz	-	18.1	-
20dB Bandwidth	BW _{-20dB}		MHz	-	21.6	-
30dB Bandwidth	BW _{-30dB}		MHz	-	28.2	-
Attenuation (Reference level from 0dB)						
680 ~ 770		MHz	dB	35	49	-
860		MHz	dB	40	50	-
Temperature coefficient of frequency			ppm/K	-	-36	-
Source impedance	Z _S		Ω	-	50	-
Load impedance	Z _L		Ω	-	50	-

Note1. No matching network required for operation at 50Ω

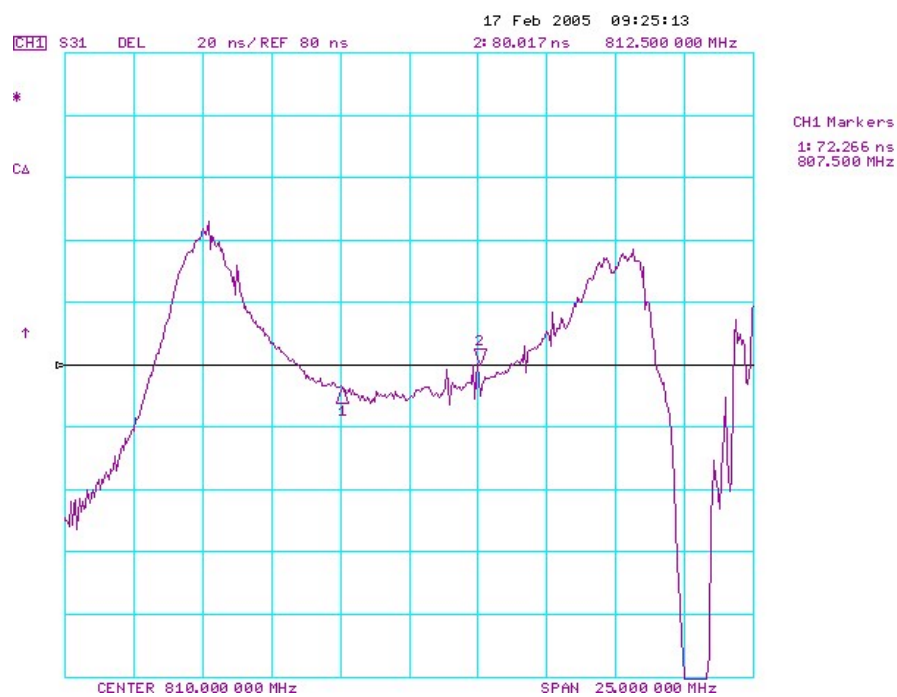
C. Transfer Function :



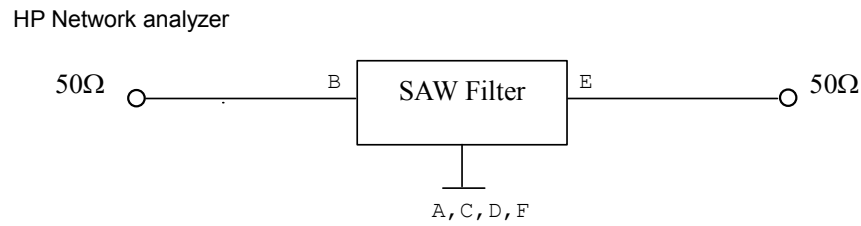
Wideband:



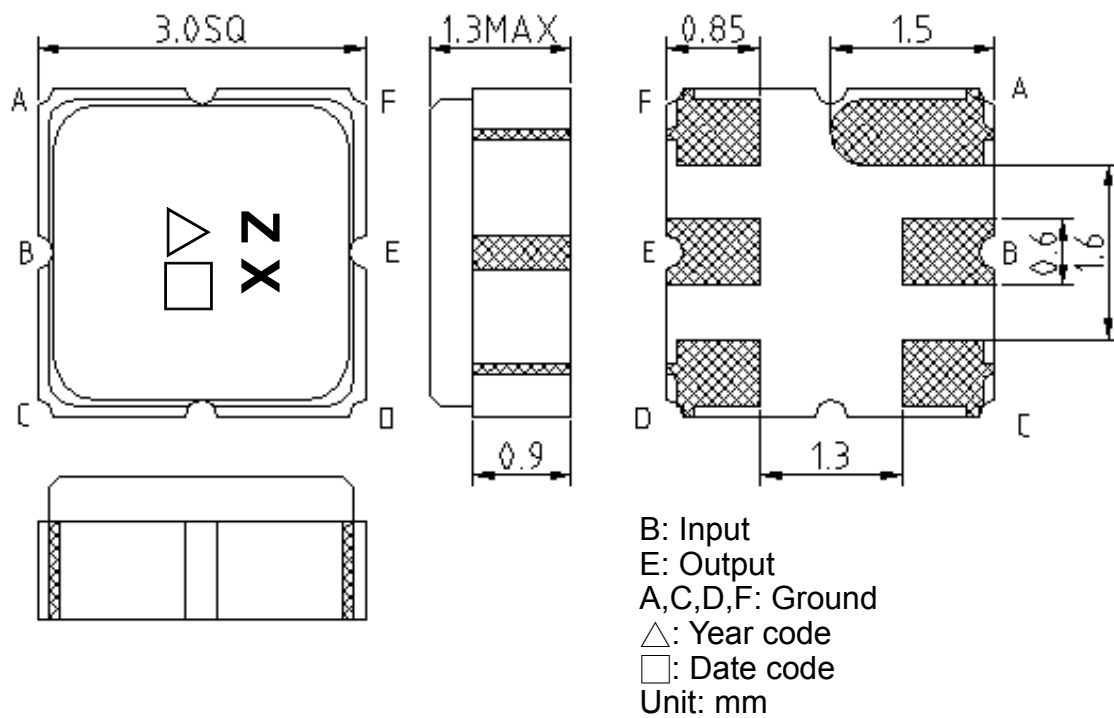
Group Delay Variation:



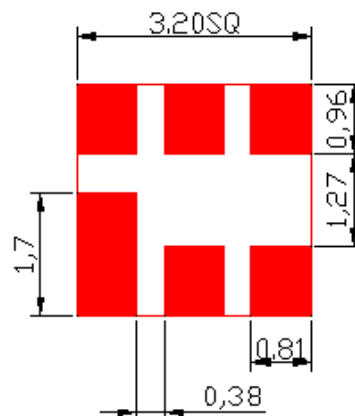
D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:

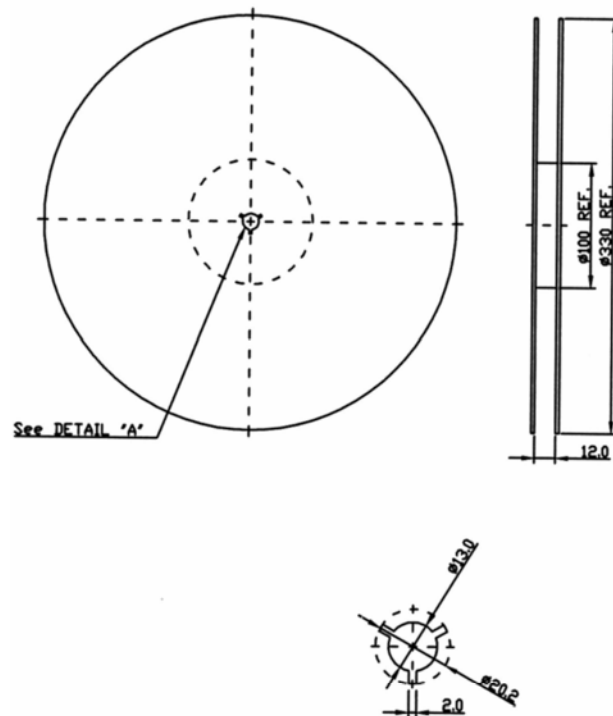


F. PCB FOOTPRINT:



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

