



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet for Product Specification

Issued Date:

Product Name: 248.45 MHz PHS IF SAW Filter (SMD 3.5×3.5 mm)

TST Parts No.: TB0251A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Lee

Approval by: _____ Francis Chen

Date: _____ 2006,9,28



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248.45 MHz PHS IF SAW Filter (SMD 3.5×3.5 mm)

Model No.: TB0251A

Rev. No.:4

A. Maximum Rating:

1. Input Power Level: +5 dB_m
2. Operating Temperature: -10°C to +60°C
3. Storage Temperature: -40°C to +85°C

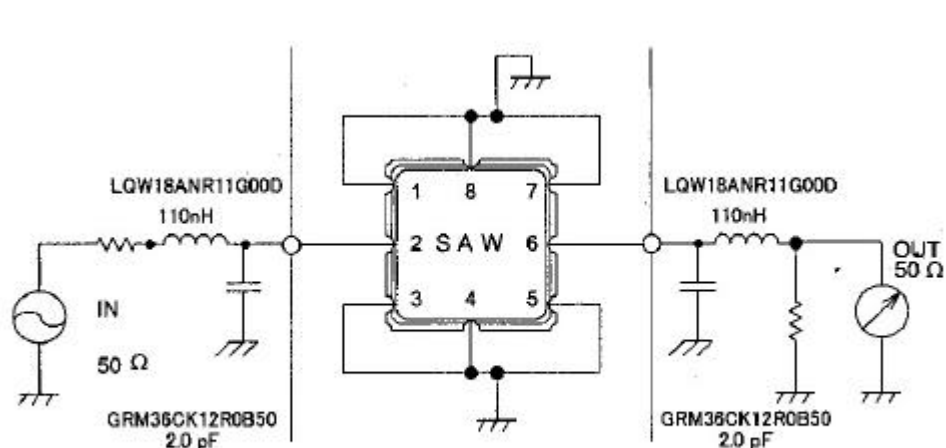
RoHS Compliant
Lead free
Lead-free soldering

B. Electrical Characteristics:

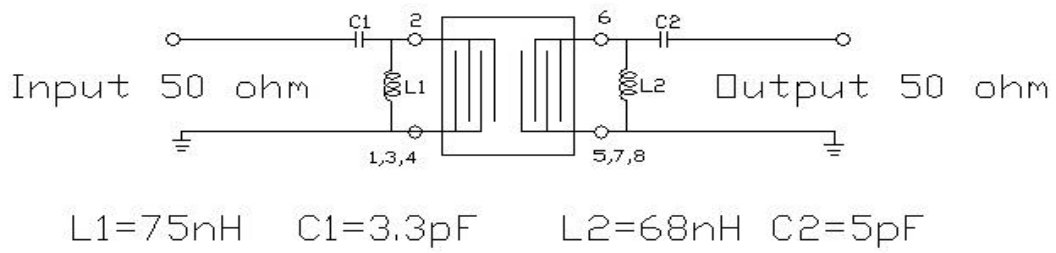
Parameters	Unit	Min.	Typical	Max.
Nominal Center frequency, Fo	MHz	-	248.45	-
Insertion Loss at Fo	dB	-	4.0	4.5
3 dB Bandwidth	MHz	-	0.56	-
Amplitude ripple, Fo±100 KHz	dB		0.55	1.0
Group delay ripple, Fo±100 KHz	μsec	-	0.55	1.0
Attenuation:				
Fo±600 KHz	dB	25	27	-
Fo±10.7 MHz	dB	40	60	-
Fo±21.4 MHz	dB	60	65	-

C. Measurement Circuit:

Matching circuit (1)



Matching circuit (2)



D. Frequency Characteristics:

1. S21 Response

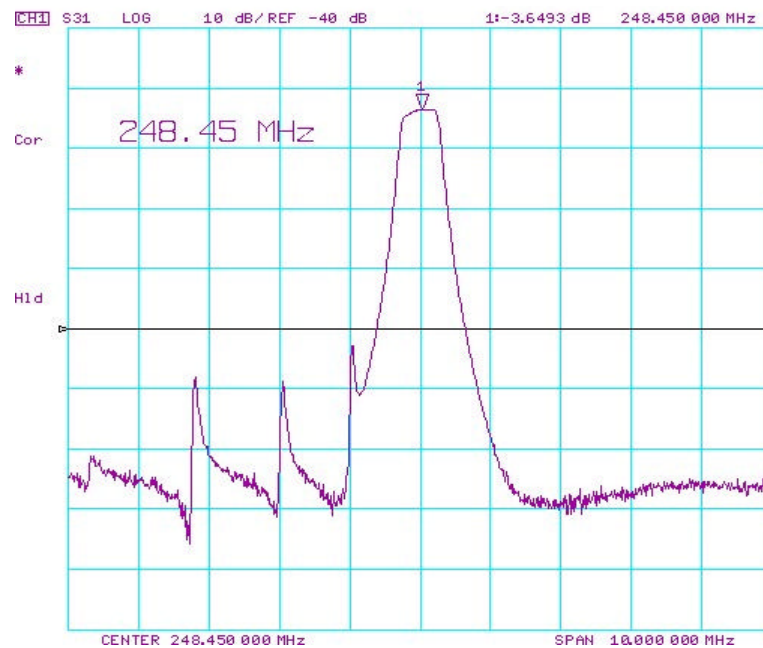


Fig1. Horizontal: 1MHz/Div Vertical: 10dB/Div

2. S21 Response (Passband group delay and Passband ripple)

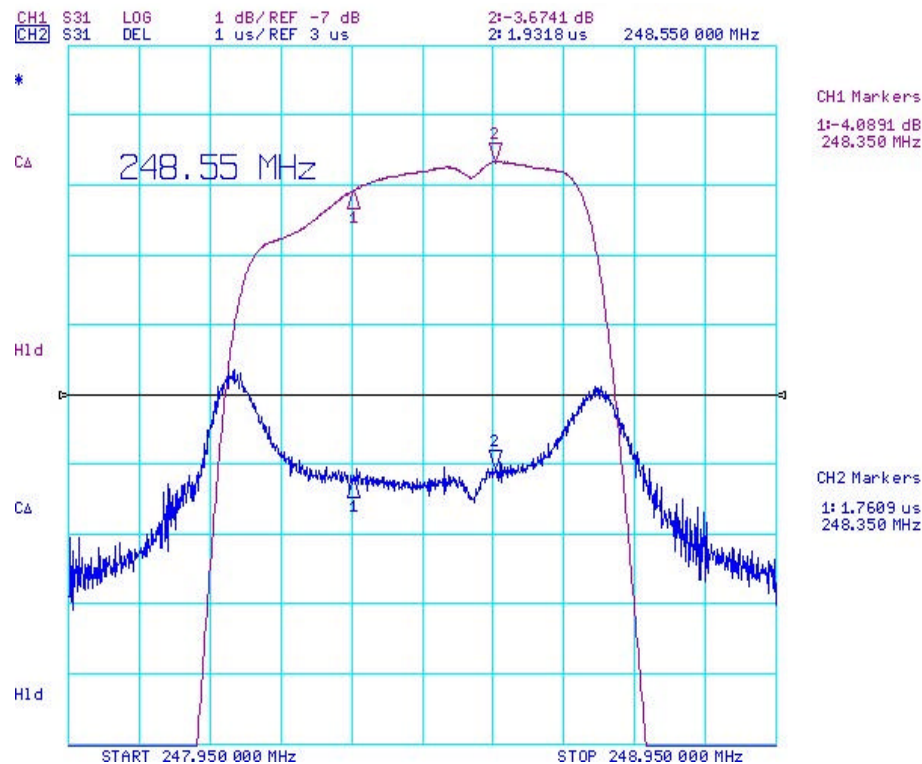
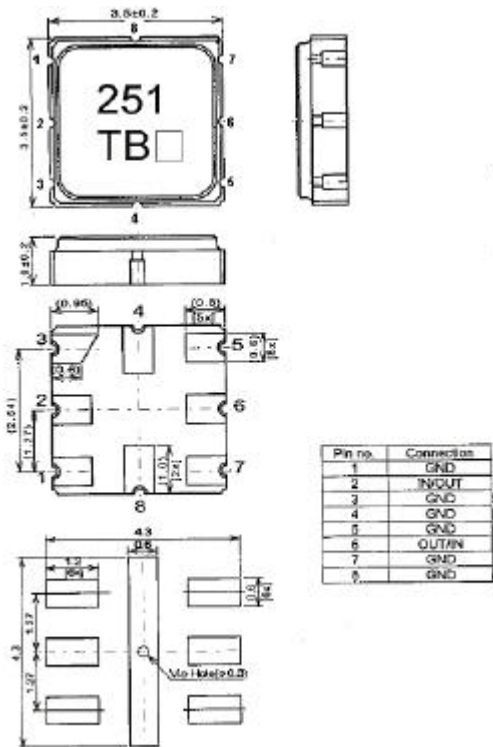


Fig2. Horizontal: 0.1MHz/Div Vertical: 1dB/Div 1μS/div

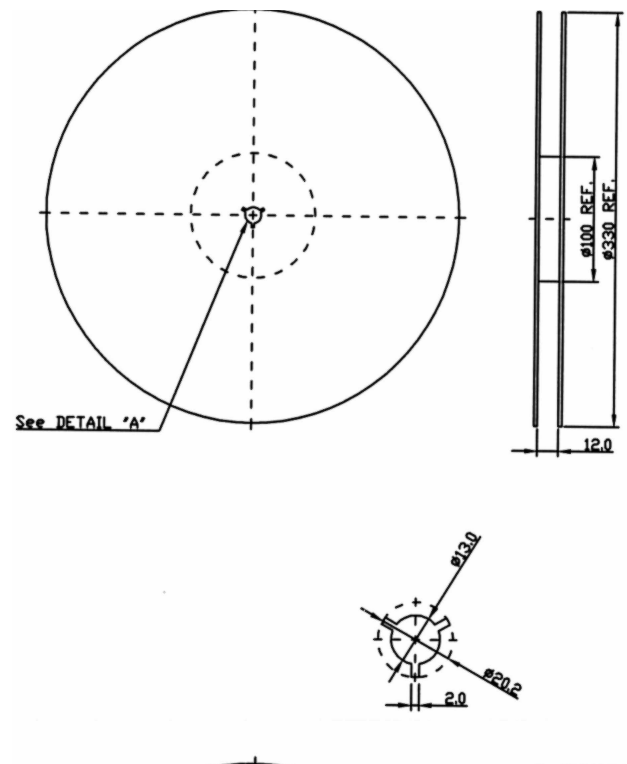
E. Outline Drawing:



?: Date code

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

