TAI-SAW TECHNOLOGY CO., LTD.
No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Tao-Yuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Approval Sheet for Product Specification

Issued Date:

Product Name: 240MHz IF SAW Filter (BW=10.5 MHz)

TST Parts No.: TB0668A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Andy Yu Andy Yu

Approval by: Francis Chen

Date: 11/14/2008

TST DCC
Release document

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SAW Filter 240MHz (SMD 13.3×6.5 mm)
MODEL NO.: TB0668A Rev. NO. 1.0

RoHS Compliant
Lead free
Lead-free soldering

A. MAXIMUM RATINGS:

1. Operating Temperature: -40°C to 85°C
2. Storage Temperature: -40°C to 85°C
3. Input Power: 15dBm

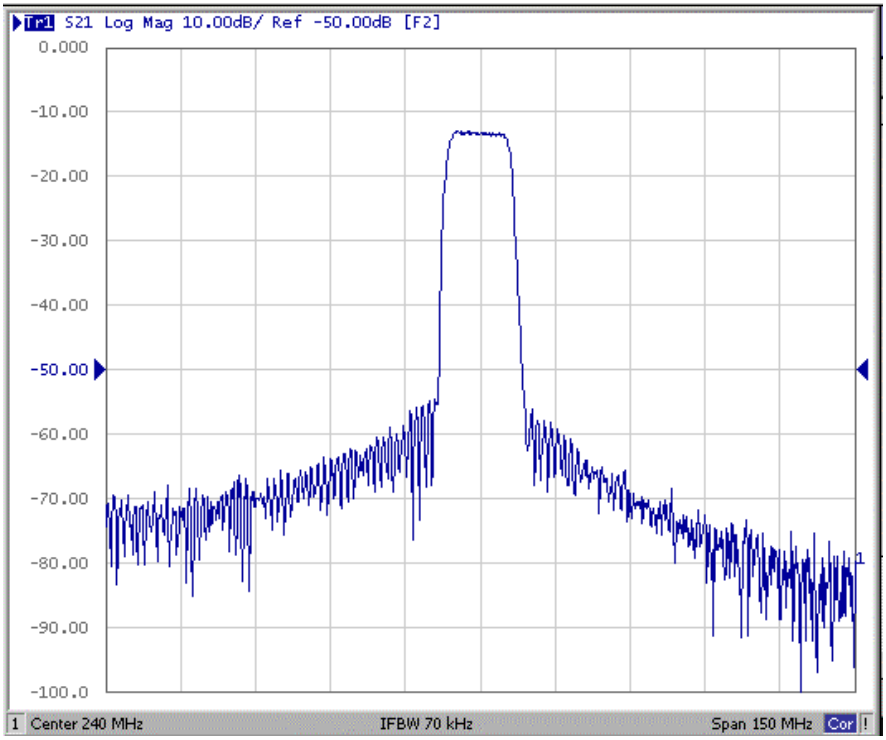
B. ELECTRICAL CHARACTERISTICS:

1. Ambient Temperature: 25 °C

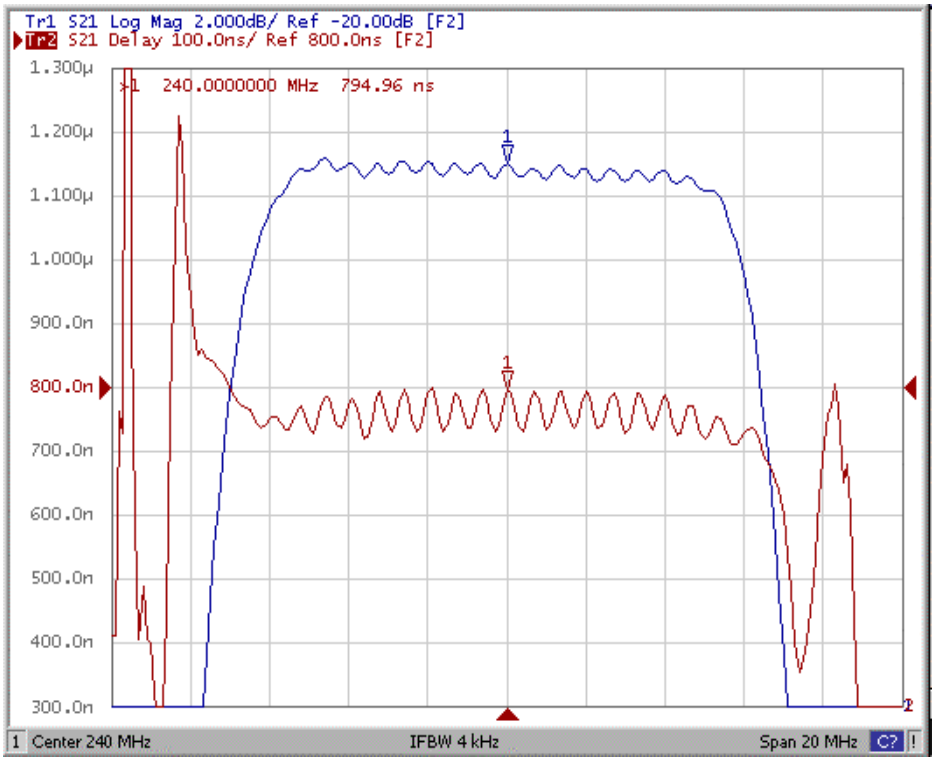
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency F_C MHz	239.5	240	240.5	
Minimum Insertion loss I.L. dB	-	13.0	14	
1dB Bandwidth MHz	10.5	10.8	-	
3dB Bandwidth MHz		12.2	13.3	
40dB Bandwidth MHz	-	17.3	20.0	
Passband Ripple at any 200kHz within 11MHz dB	-	0.6	1.0	
Group delay ripple(234.5~245.5MHz) nsec	-	85	200	
Temperature Coefficient ppm/°C	-	-23	-	
Relative Rejection (Reference to Minimum Insertion loss)				
1) 100~223MHz dB	40	48	-	
2) 257~500MHz dB	42.5	48	-	

C. Frequency Characteristics :

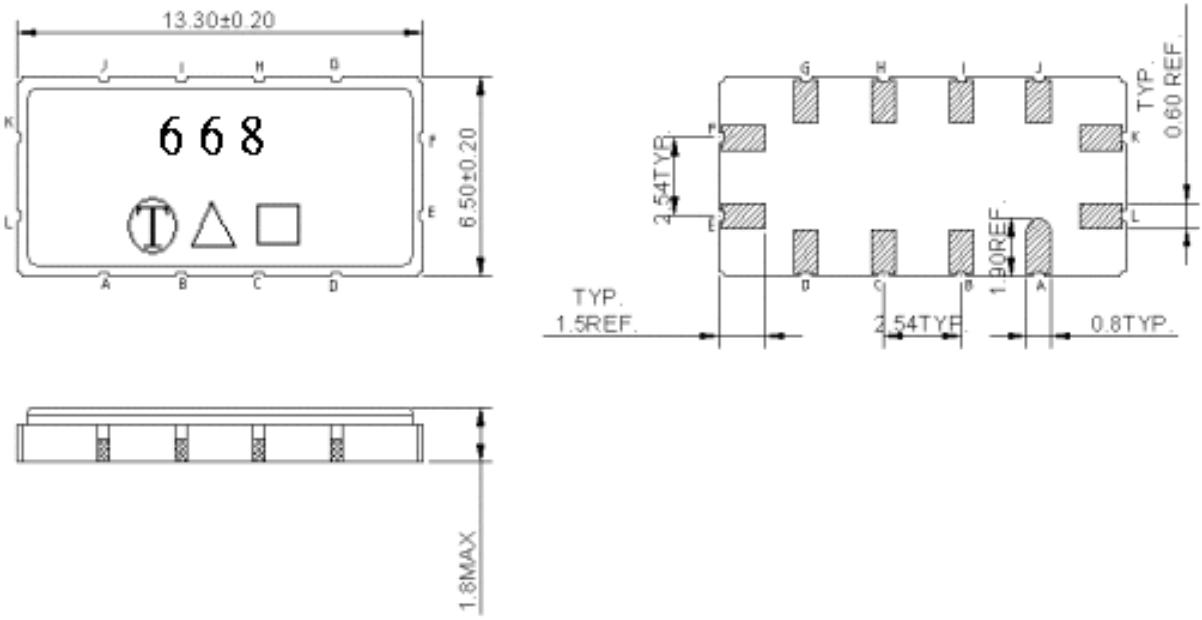
1. S21 Response



2. Passband Response:

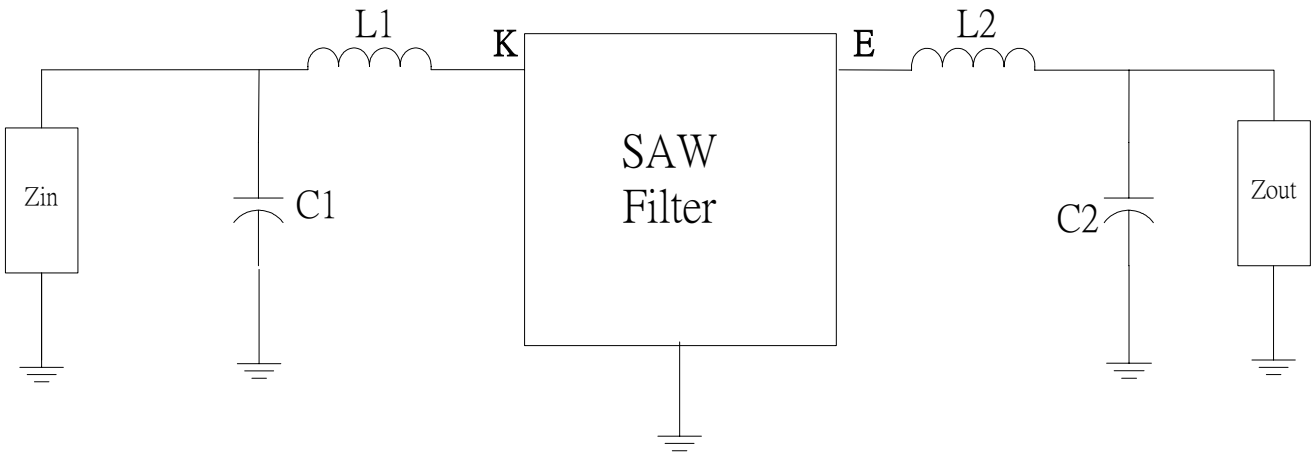


D. Outline Drawing:



Pin K: Input
Pin E: Output
Pin L: Balance Input or Ground
Pin F: Balance Output or Ground
Pin A, B, C, D, G, H, I, J: To be Ground
□: Date code

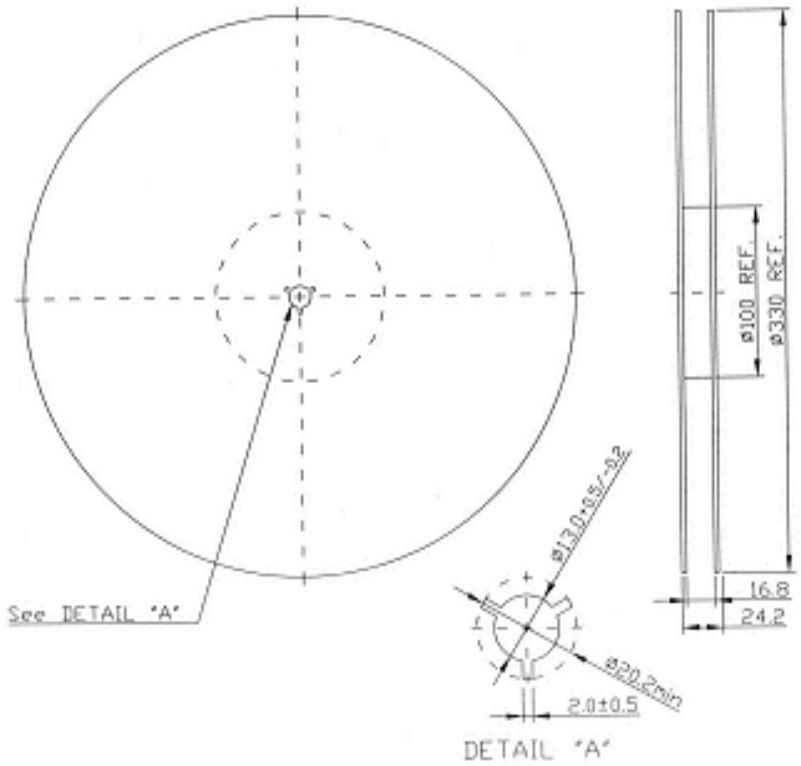
E. Matching Circuit Configuration:



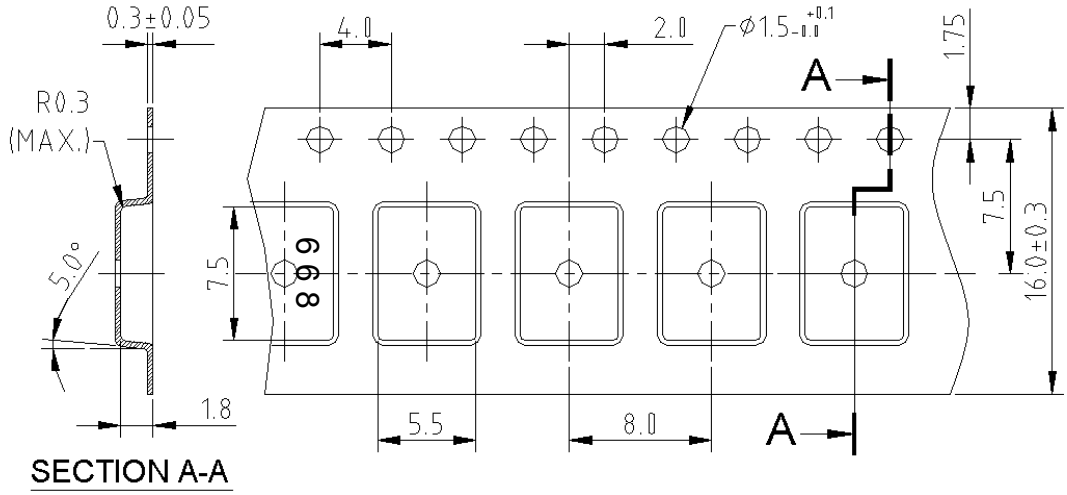
Input: L1=27nH; C1=27pF
Output: L2= 27nH; C2=29pF

F.PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION



Direction of feed

G. Recommended Reflow Profile: