



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 860.5MHz SMD 3.0x3.0mm

TST Parts No.:TA0328A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2003/01/07



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SAW Filter 860.5 MHz

MODEL NO.: TA0328A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -30°C to +70°C
4. Storage Temperature: -40°C to +85°C

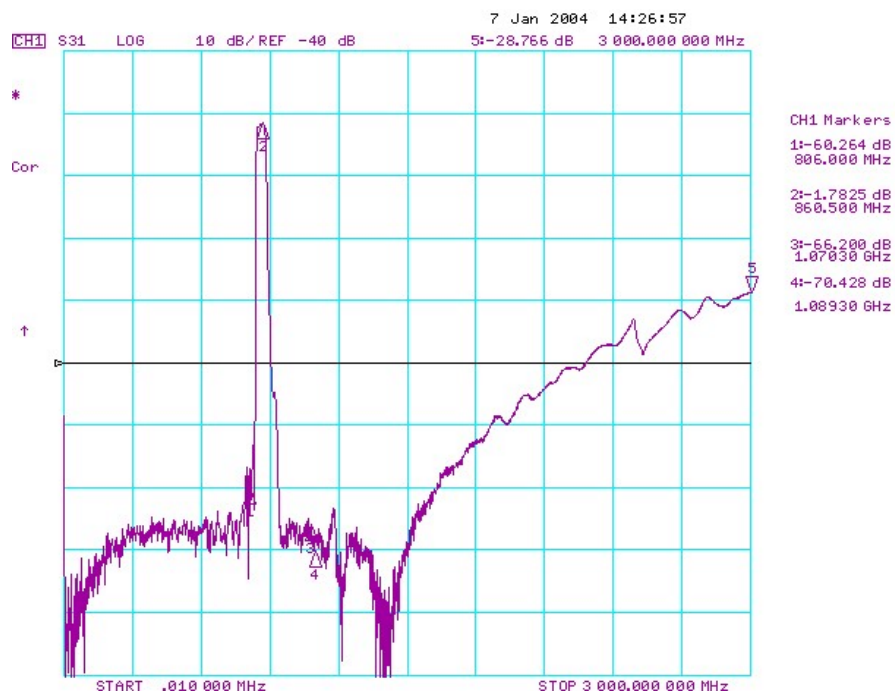
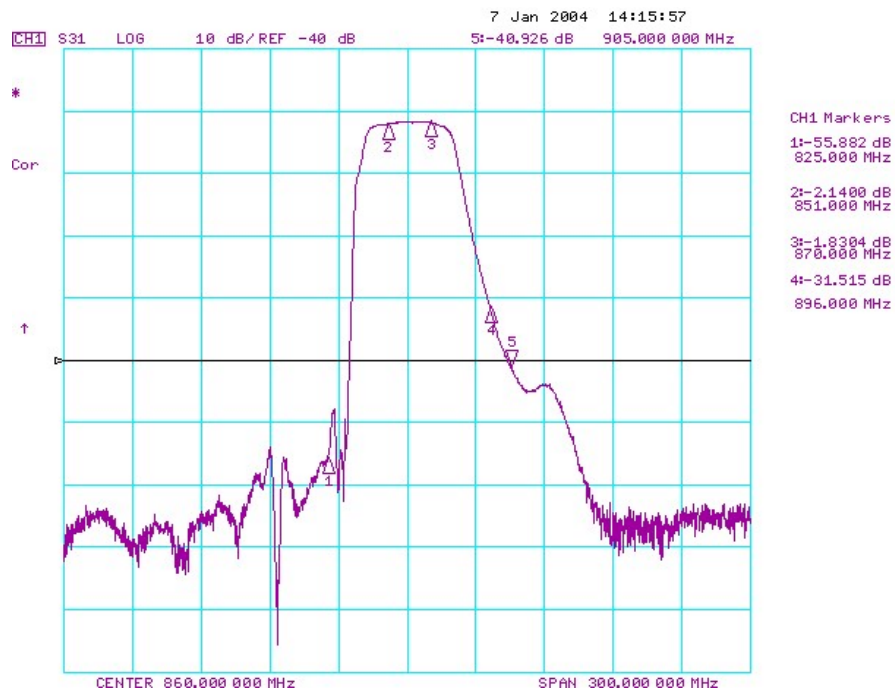
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Typical	Max.
Center frequency	F_c	MHz	-	860.5	-
Insertion loss	851 ~ 870 MHz	IL	-	2.2	3.0
Amplitude ripple	851 ~ 870 MHz	dB	-	0.6	1.3
Group delay ripple	851 ~ 870 MHz	ns	-	12	60
Attenuation (Reference level from 0 dB)					
	0.000~806.000MHz	dB	27	54	-
	806.000~825.000MHz	dB	37	54	-
	896.000~902.000MHz	dB	25	31	-
	905.825~924.825MHz	dB	27	40	-
	960.650~979.650MHz	dB	37	65	-
	1070.300~1089.300MHz	dB	47	65	-
	1089.300~3000.000MHz	dB	24	28	-
Return loss	851 ~870 MHz		9.5	13	-
Source impedance	Z _s	Ω	-	50	-
Load impedance	Z _L	Ω	-	50	-

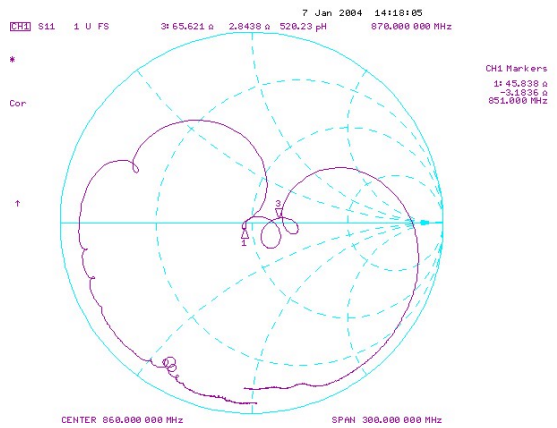
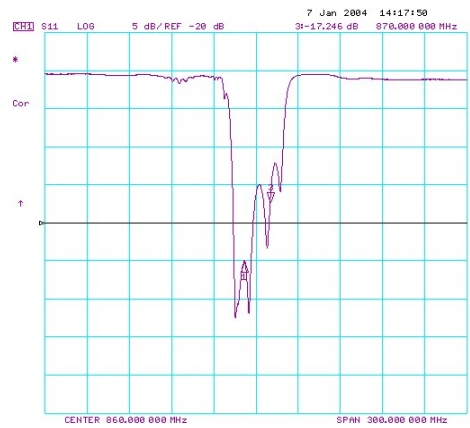
Note1. No matching network required for operation at 50 Ω

C. Frequency Characteristics :

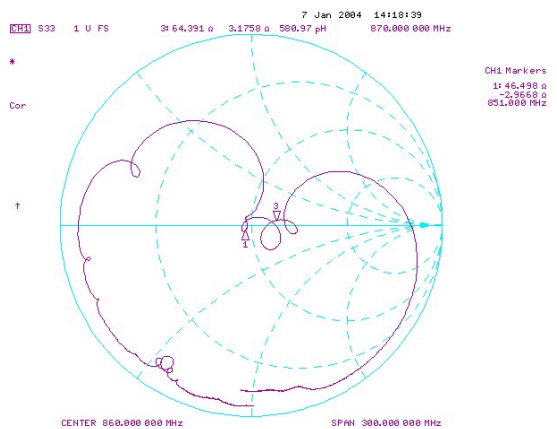
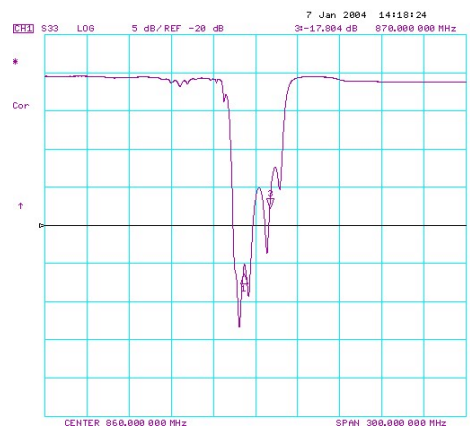


D.Reflections Functions :

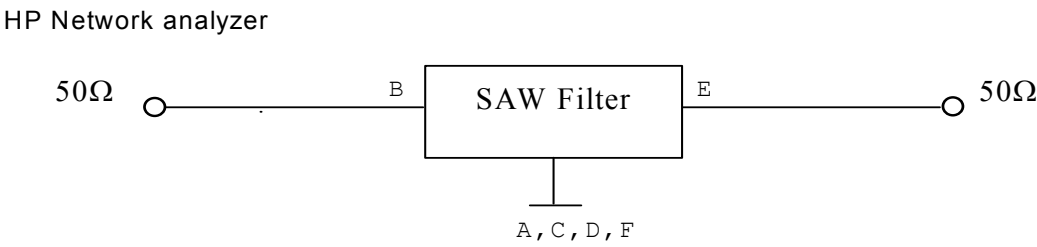
S11:



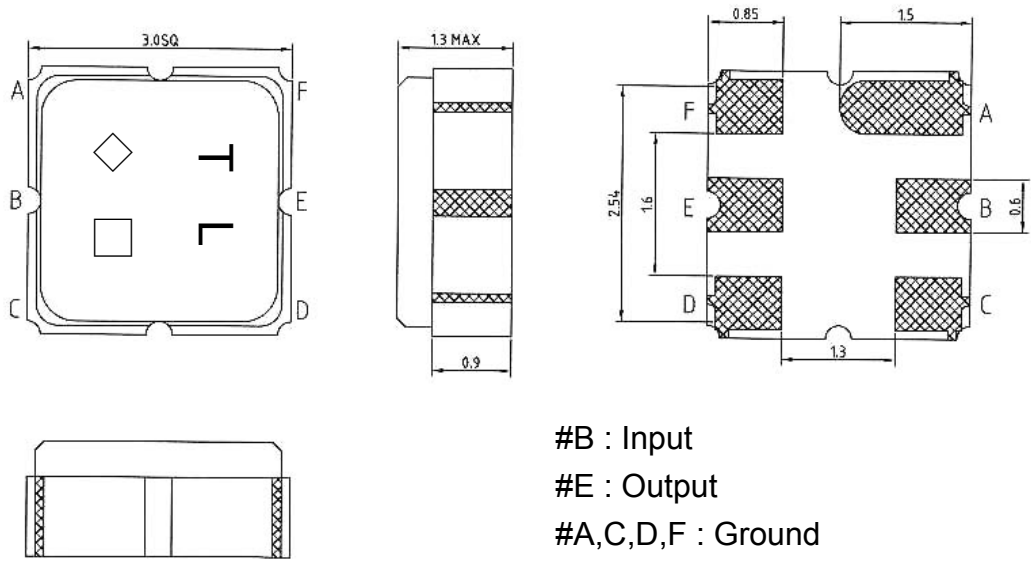
S22:



E. MEASUREMENT CIRCUIT:



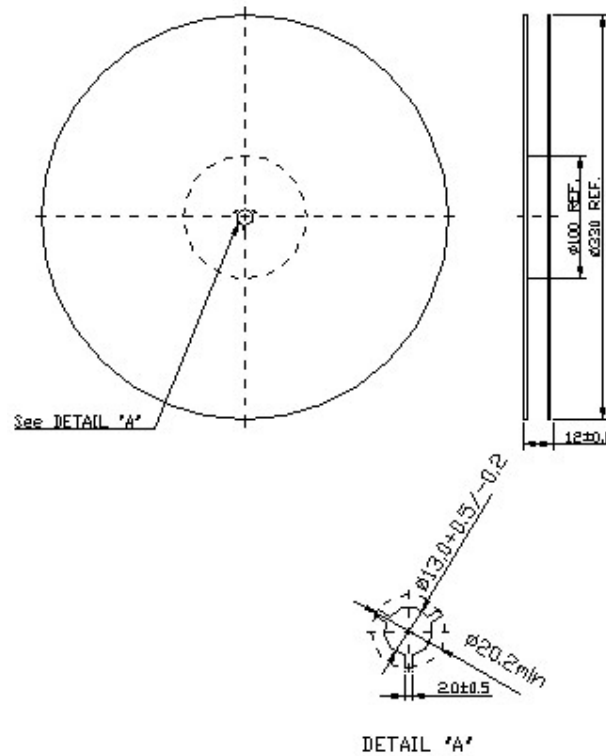
E.OUTLINE DRAWING:



#B : Input
 #E : Output
 #A,C,D,F : Ground
 ◇ : Year Code
 □ : Date Code
 Unit: mm

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

