



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 916.45MHz SMD 3.0x3.0mm

TST Parts No.:TA0344A

Customer Parts No.:_____

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

Checked by: _____ Elvis Chiu

Approval by: _____ Francis Chen

Date: _____ 2004/05/27



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SAW Filter 916.45 MHz

MODEL NO.: TA0344A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

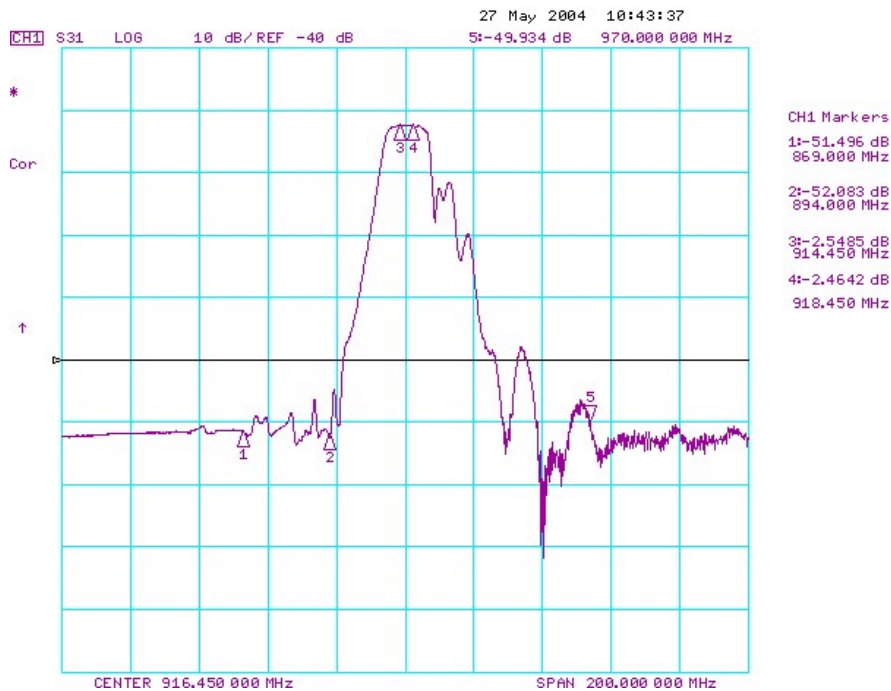
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc MHz	-	916.45	-
Insertion loss 914.45 ~ 918.45 MHz IL (dB)	-	2.7	3.5
Amplitude ripple 914.45 ~ 918.45 MHz (dB)	-	0.3	1.0
VSWR 914.45 ~ 918.45 MHz	-	1.5	2.0
Absolute Attenuation			
D.C. ~ 600 MHz (dB)	50	57	-
600 ~ 840 MHz (dB)	40	51	-
869 ~ 894 MHz (dB)	35	46	-
970 ~ 1500 MHz (dB)	40	47	-
1500 ~ 3000 MHz (dB)	25	32	-
Source impedance Z _s (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

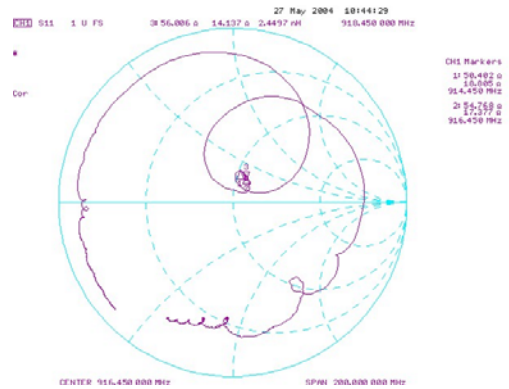
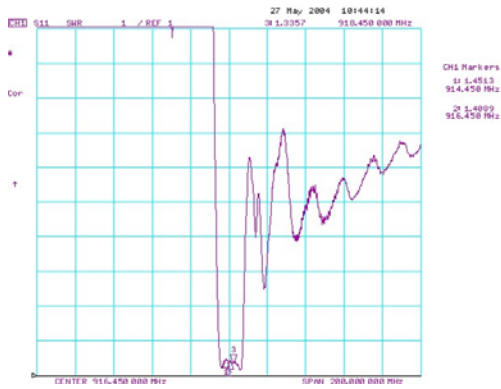
Note1. No matching network required for operation at 50 Ω

C. Frequency Characteristics :

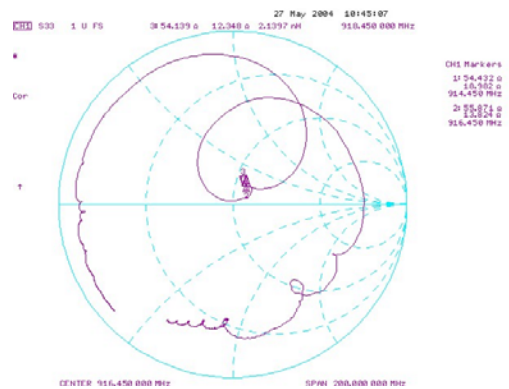
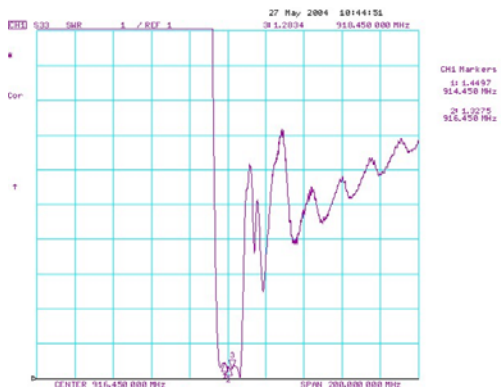


D.Reflections Functions :

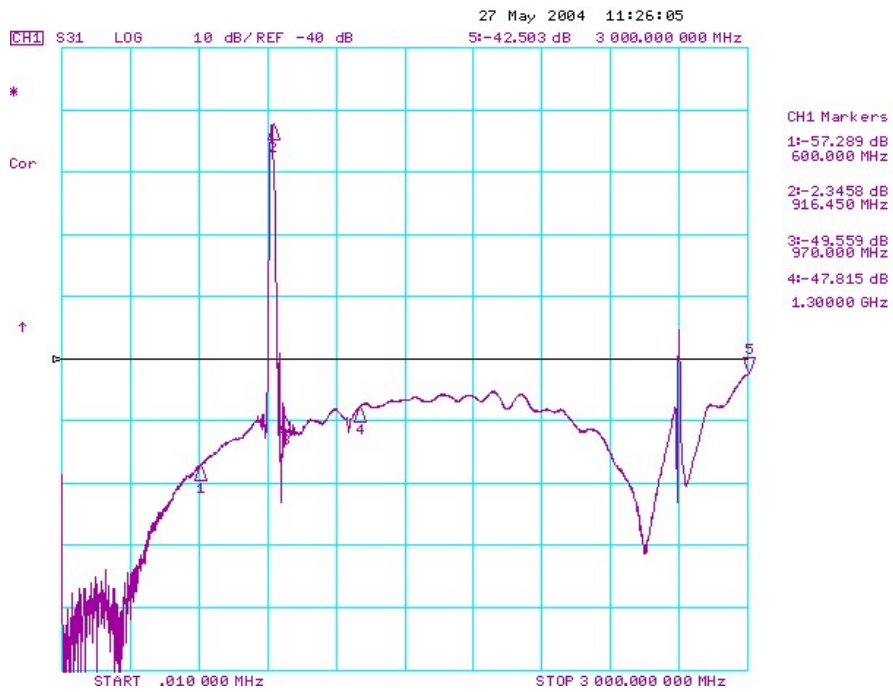
S11:



S22:

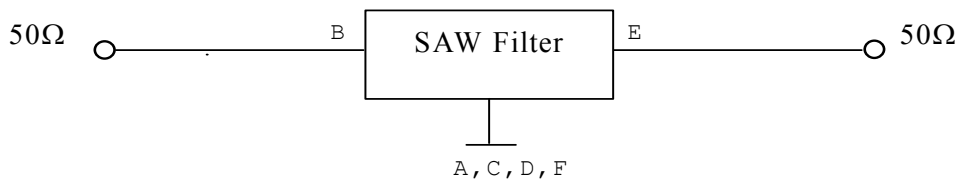


Wideband

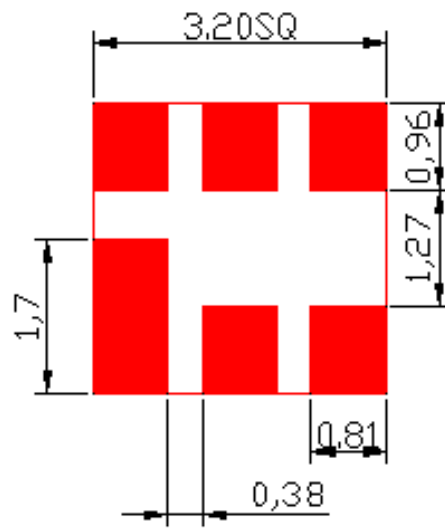


E. MEASUREMENT CIRCUIT:

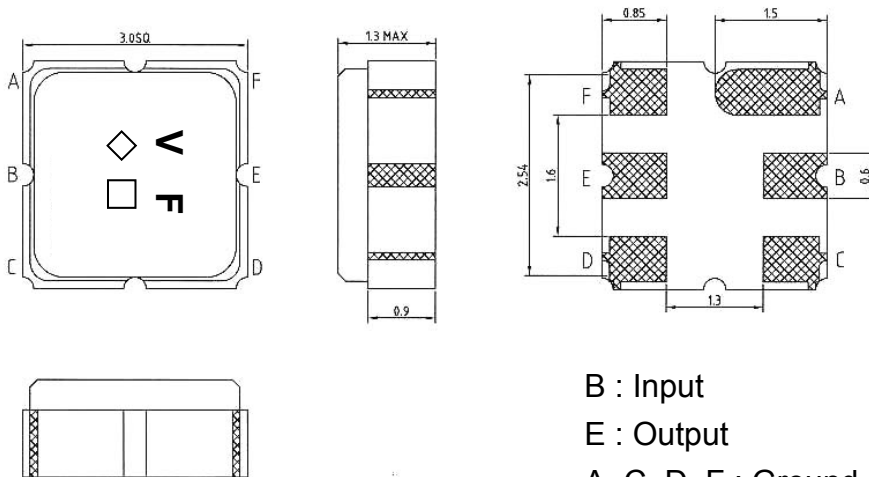
HP Network analyzer



F. PCB Footprint:



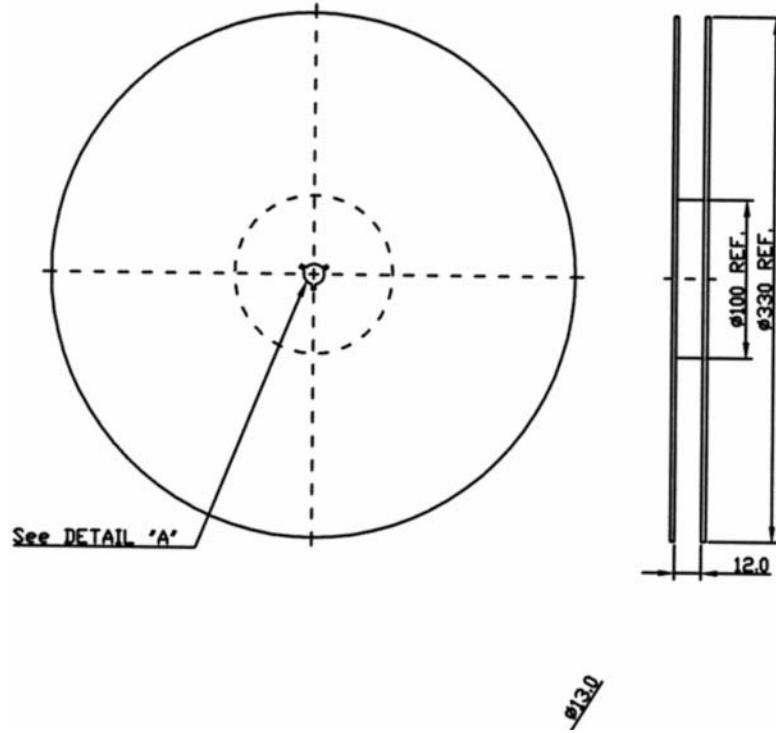
G. OUTLINE DRAWING:



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

H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

