



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 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: SAW Filter 942.5MHz SMD 3.0x3.0

TST Parts No.:TA0394A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Elvis Chiu

Approval by:_____ Francis Chen

Date:_____ 2004/10/28



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SAW Filter 942.5 MHz

MODEL NO.: TA0394A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 15 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -20°C to +85°C
4. Storage Temperature: -40°C to +85°C

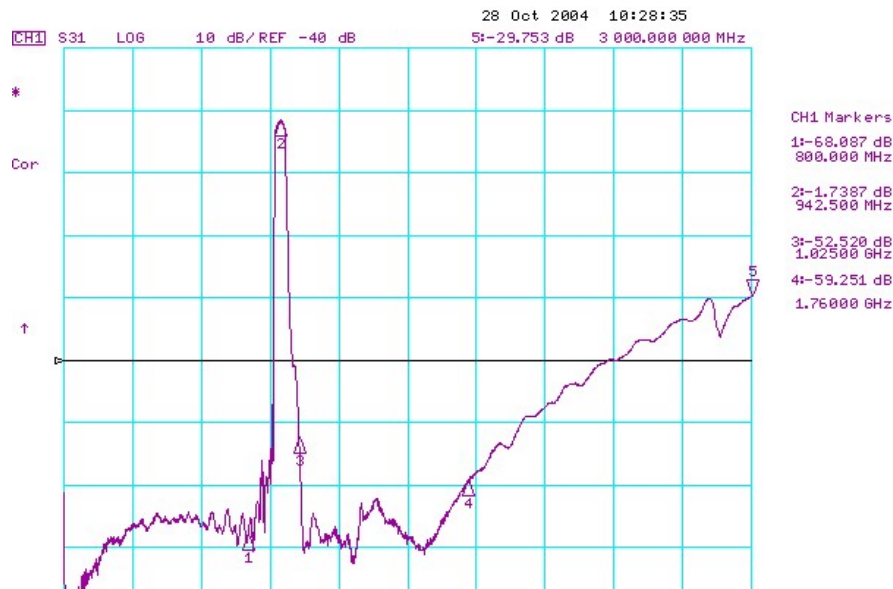
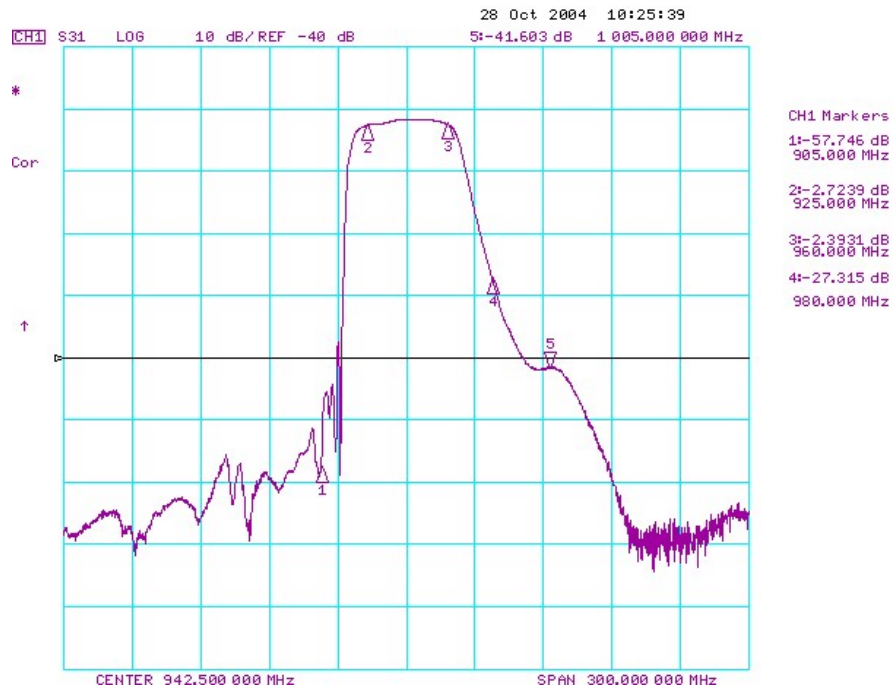
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Characteristics				Specification			Note
				Min.	Typ.	Max.	
Center frequency	F _c	MHz		-	942.5	-	-
Insertion loss	925~960 MHz	I.L.	dB	-	2.8	4.0	-
Ripple	925~960 MHz		dB	-	1.1	2.3	-
VSWR	925~960 MHz			-	1.5	2.1	
Attenuation: (Reference level from 0 dB)							
0 ~ 800 MHz			dB	50	60	-	-
800 ~ 880 MHz			dB	40	53	-	-
880 ~ 905 MHz			dB	30	47	-	-
980 ~ 982 MHz			dB	16	27	-	-
982 ~ 1005 MHz			dB	23	29	-	-
1005 ~ 1025 MHz			dB	29	41	-	-
1025 ~ 1760 MHz			dB	40	48	-	-
1760 ~ 2300 MHz			dB	30	40	-	-
2300 ~ 3000 MHz			dB	20	28	-	-
Source Impedance	Z _s	Ω			50		1
Load Impedance	Z _L	Ω			50		1

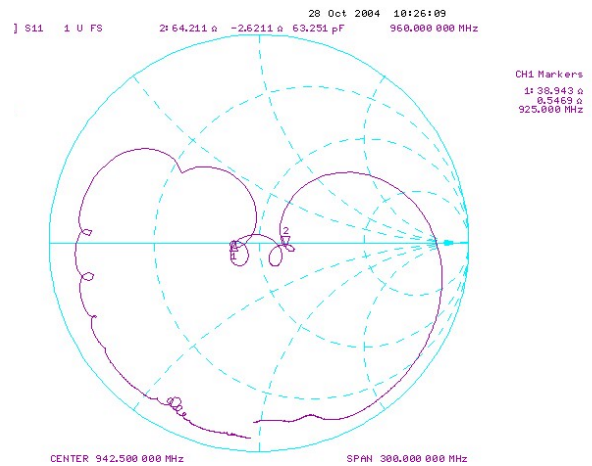
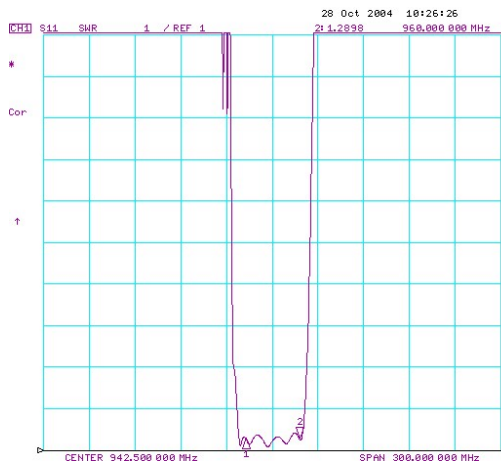
Note1. No matching network required for operation at 50 Ω

C. Transfer Function :

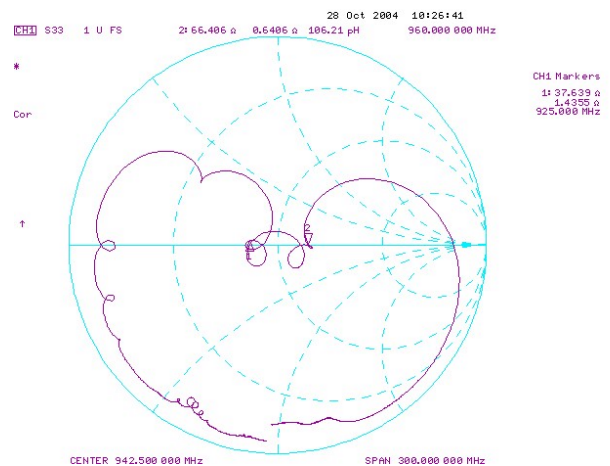
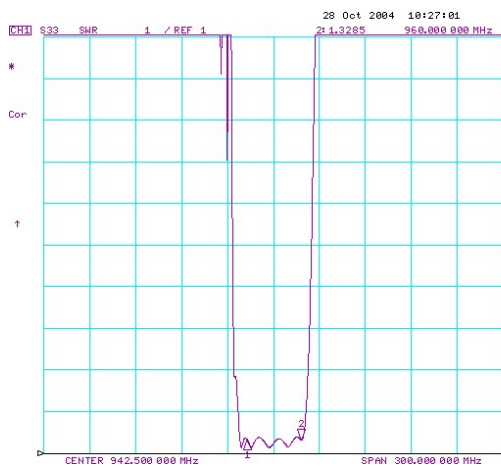


D. Reflections Functions :

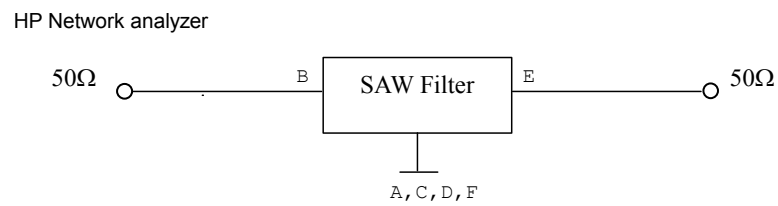
S11



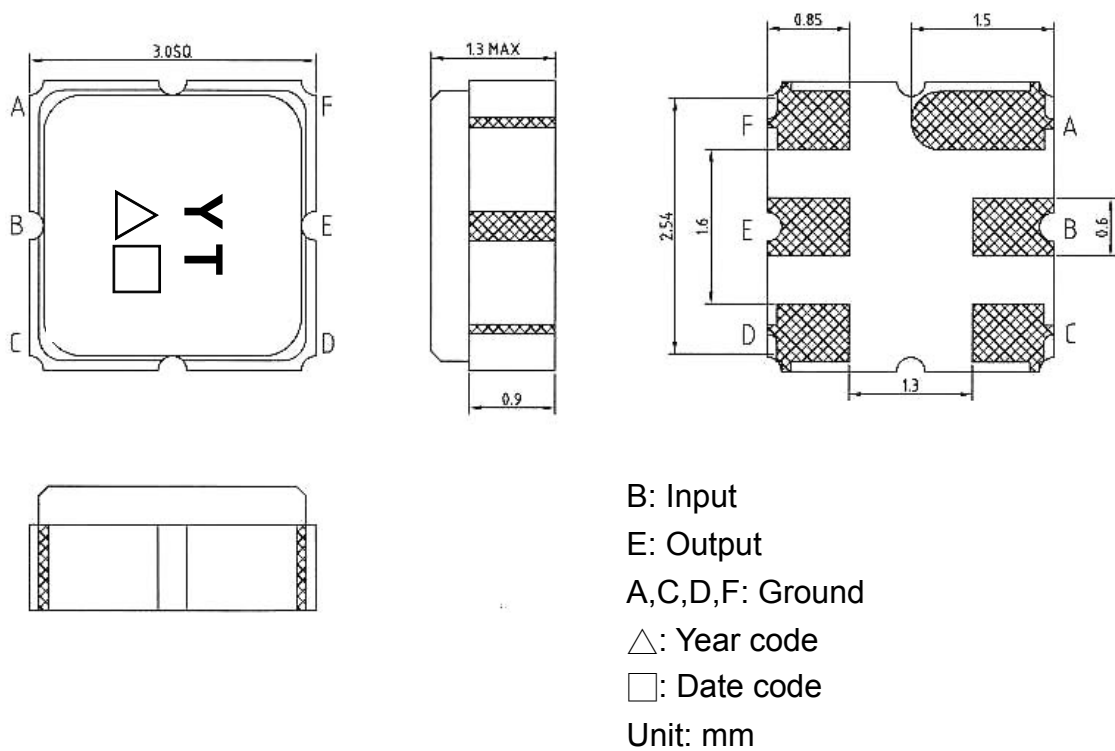
S22



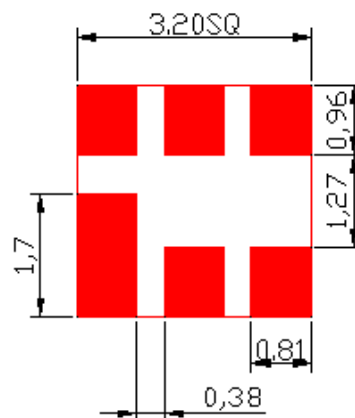
E. MEASUREMENT CIRCUIT:



F.OUTLINE DRAWING:

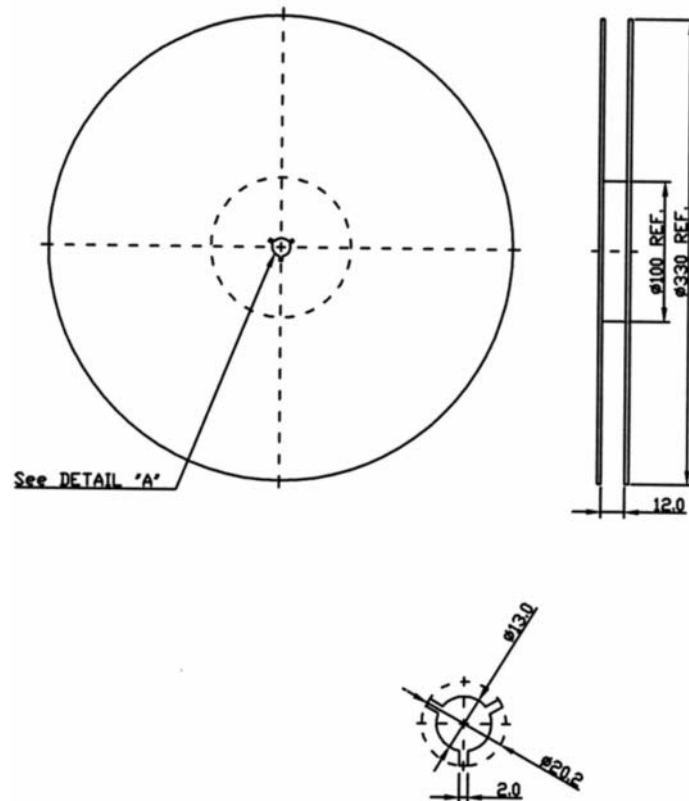


G. PCB FOOTPRINT:



H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

