



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 942.5MHz For EGSM SMD 3.0x3.0

TST Parts No.:TA0152A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2003/08/19



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SAW Filter 942.5 MHz

MODEL NO.: TA0152A

REV. NO.:2

A. MAXIMUM RATING:

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

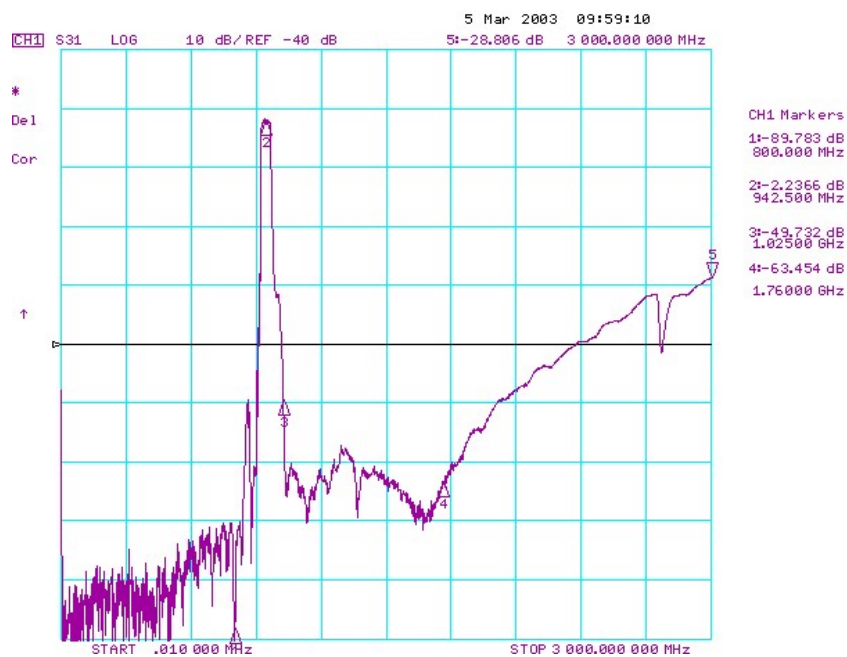
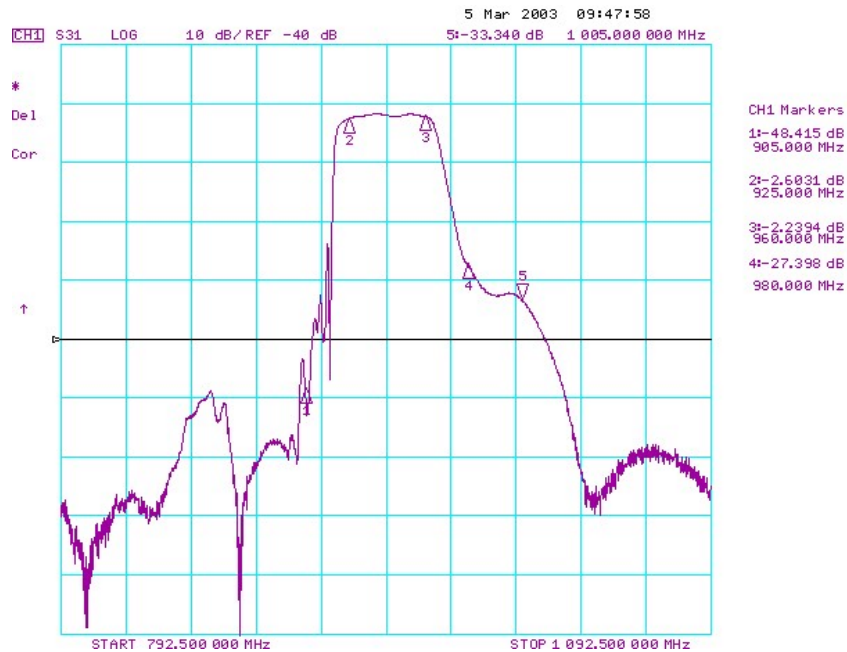
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Characteristics				Specification			Note
				Min.	Typ.	Max	
Center frequency	F _c	MH		-	942.5	-	-
		Z					
Insertion loss	925~960 MHz	I.L.	dB	-	2.8	4.0	-
Ripple	925~960 MHz		dB	-	1.1	2.3	-
Attenuation: (Reference level from 0 dB)							
0 ~ 800 MHz			dB	50	63	-	-
800 ~ 880 MHz			dB	40	48	-	-
880 ~ 905 MHz			dB	35	43	-	-
980 ~ 982 MHz			dB	20	27	-	-
982 ~ 1005 MHz			dB	23	28	-	-
1005 ~ 1025 MHz			dB	29	33	-	-
1025 ~ 1760 MHz			dB	40	50	-	-
1760 ~ 2300 MHz			dB	30	41	-	-
2300 ~ 3000 MHz			dB	20	28	-	-
Impedance at F _c	Input	Z _{IN} = R _{IN} // C _{IN}		50Ω // 0 PF			1
	Output	Z _{OUT} = R _{OUT} // C _{OUT}		50Ω // 0 PF			1

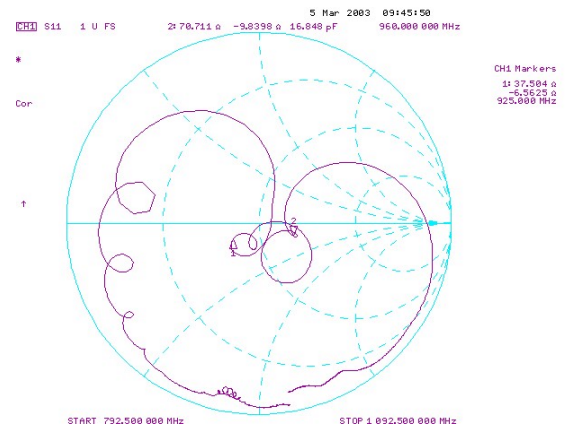
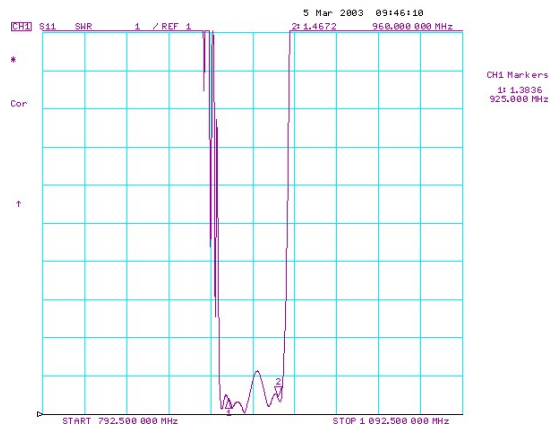
Note1. No matching network required for operation at 50 Ω

C. Transfer Function :

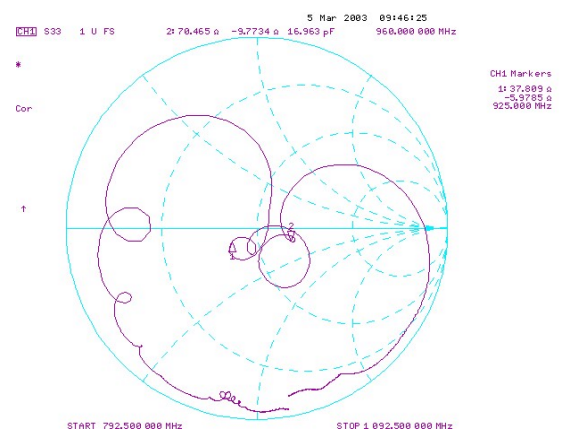
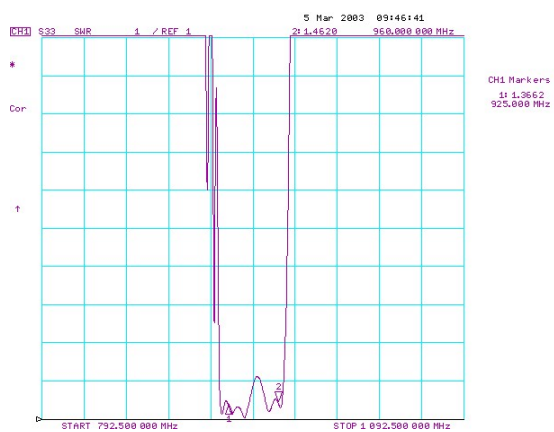


D. Reflections Functions :

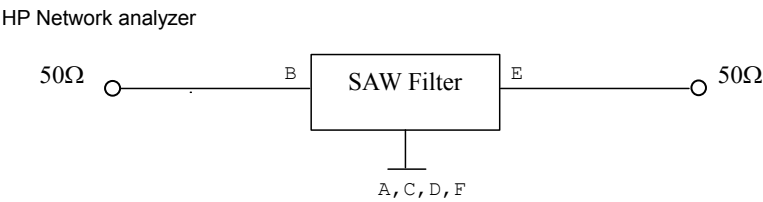
S11



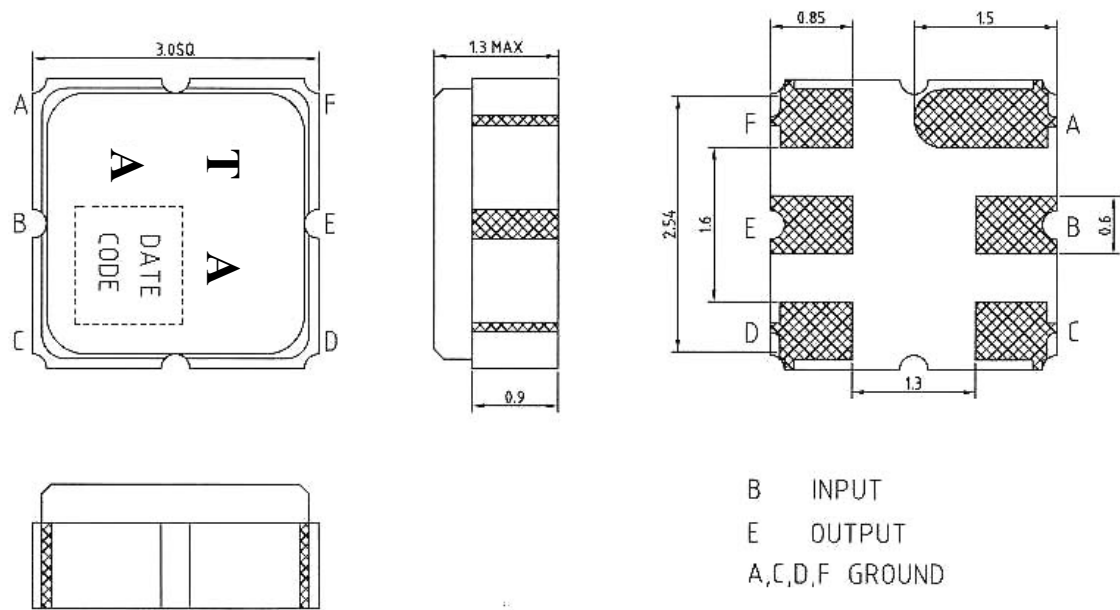
S22



E. MEASUREMENT CIRCUIT:

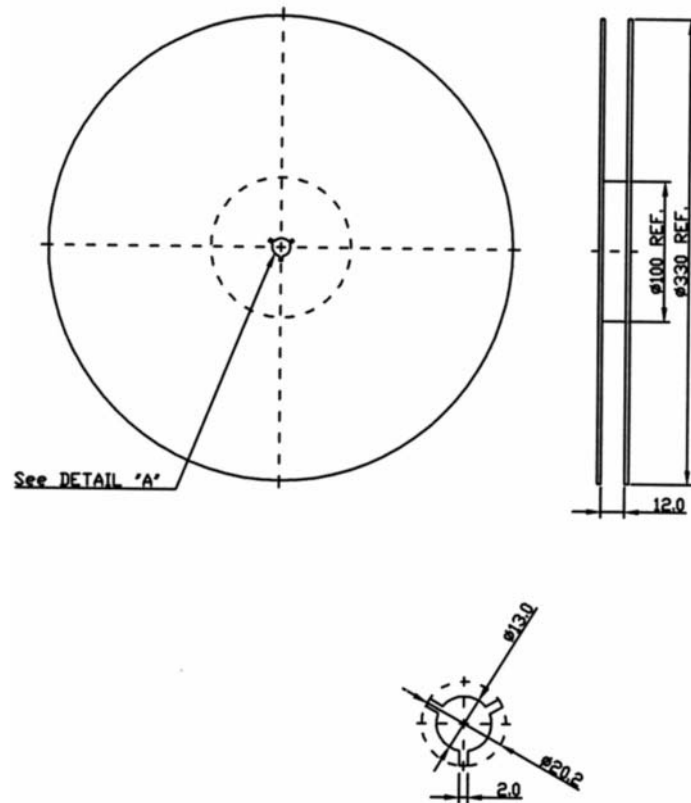


F.OUTLINE DRAWING:



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

