



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 999MHz SMD 3.0x3.0mm

TST Parts No.:TA0444A

Customer Parts No.:\_\_\_\_\_

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

Checked by: \_\_\_\_\_ Elvis Chiu

Approval by: \_\_\_\_\_ Francis Chen

Date: \_\_\_\_\_ 2005/05/03



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## SAW Filter 999 MHz

MODEL NO.: TA0444A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

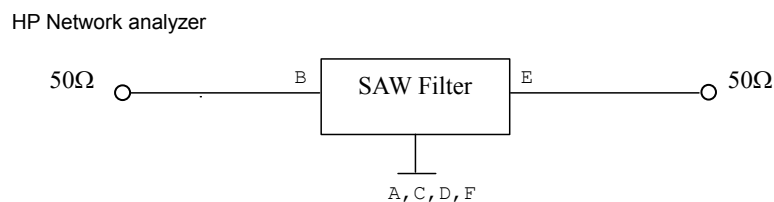
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

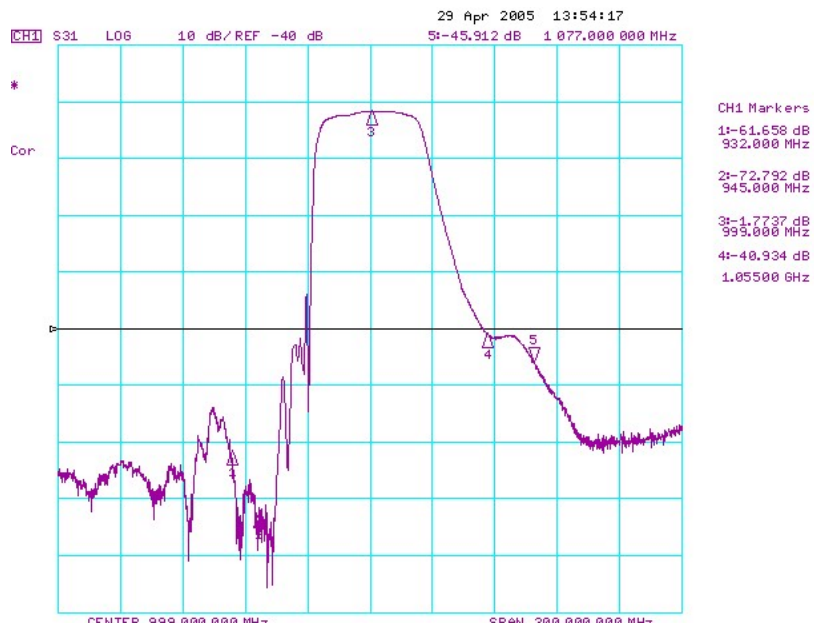
Characteristics				Specification			Note
				Min.	Typ.	Max.	
Center frequency	F <sub>c</sub>	MHz	-	999	-	-	
Insertion loss	979~1019 MHz I.L.	dB	-	3.1	4.8	-	
Ripple	979~1019 MHz	dB	-	1.4	3.1	-	
Attenuation: ( Reference level from 0 dB )							
	10 ~ 840 MHz	dB	40	64	-	-	
	840 ~ 932 MHz	dB	39	54	-	-	
	932 ~ 945 MHz	dB	30	54	-	-	
	1055 ~ 1070MHz	dB	21	40	-	-	
	1070 ~ 1100 MHz	dB	28	41	-	-	
	1100 ~ 1158 MHz	dB	39	55	-	-	
	1158 ~ 2000 MHz	dB	30	52	-	-	
Source Impedance	Z <sub>S</sub>	Ω	-	50	-	1	
Load Impedance	Z <sub>L</sub>	Ω	-	50	-	1	

Note1. No matching network required for operation at 50 Ω

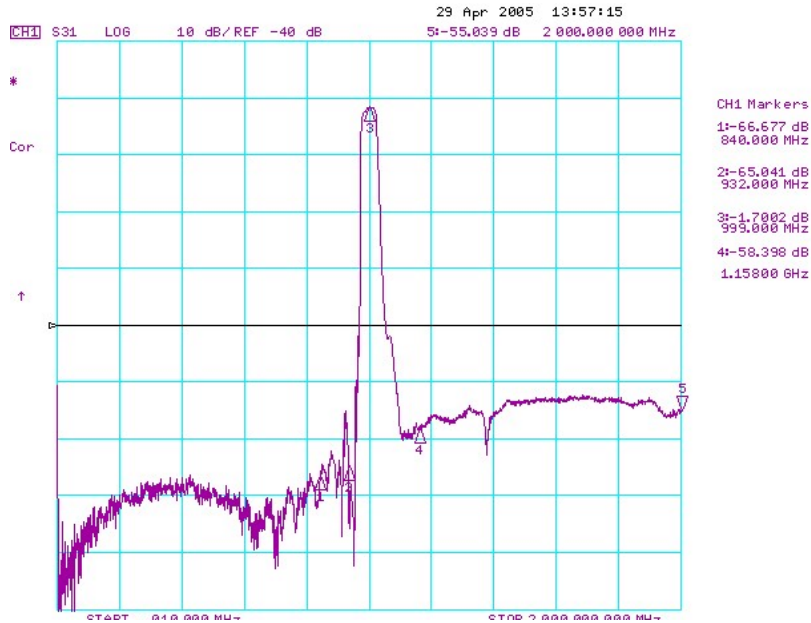
### C. MEASUREMENT CIRCUIT:



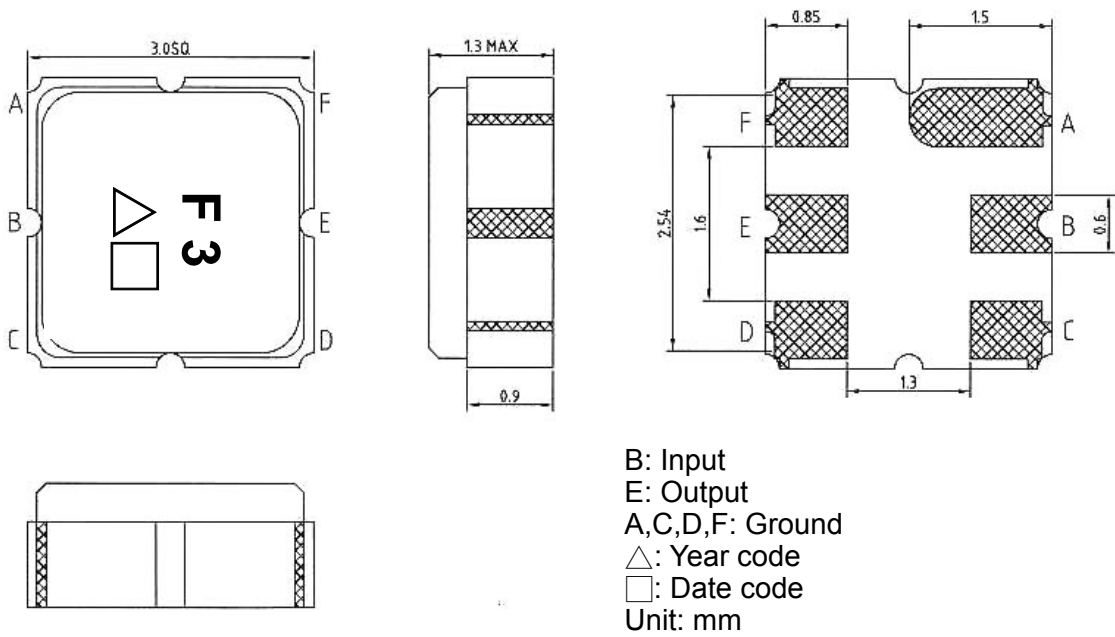
## D. TRANSFER FUNCTION :



wideband



**E. OUTLINE DRAWING:**



**F. PCB FOOTPRINT:**

