



# 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 415.4MHz SMD 5.0x5.0 mm

TST Parts No.:TA0526A

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

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

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

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

Date: \_\_\_\_\_ 2006/02/21



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## SAW Filter 415.4 MHz

MODEL NO.: TA0526A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: +15°C to +35°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

Balanced to Balanced operation

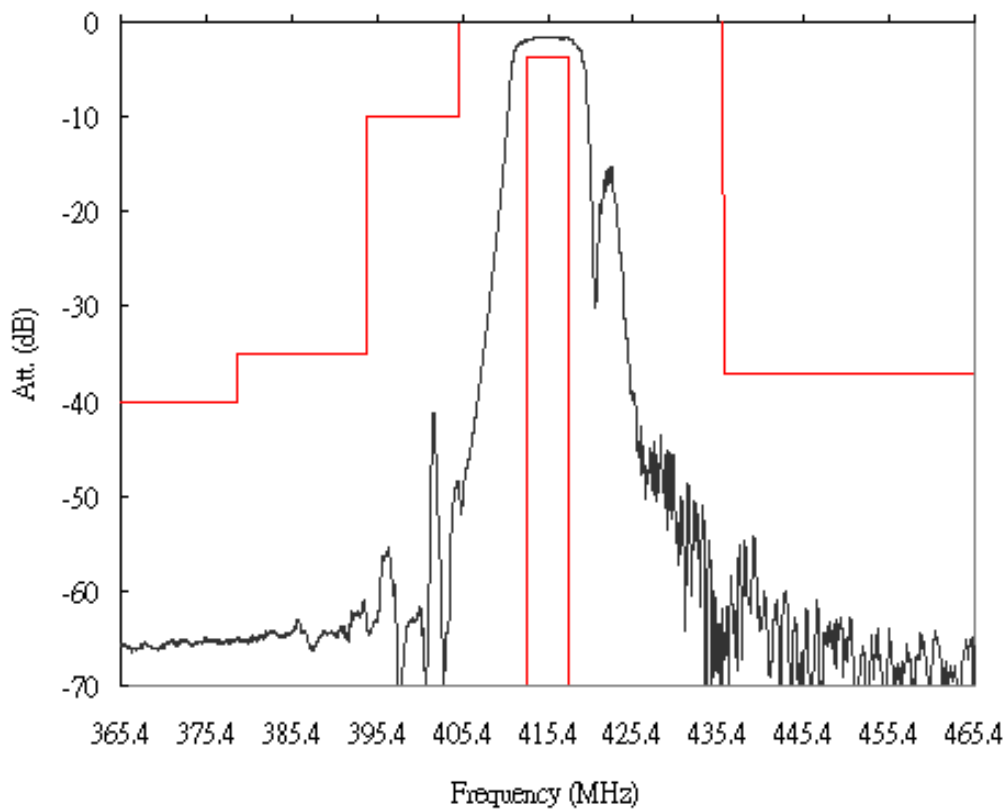
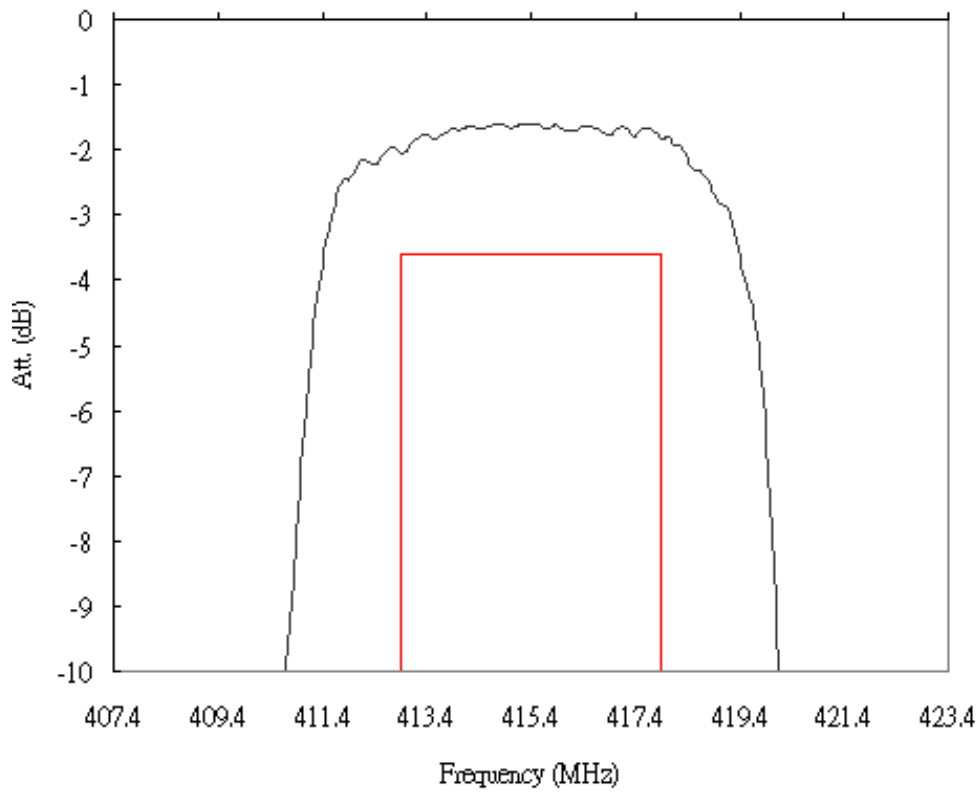
Terminating source impedance : Z<sub>s</sub> = 200 Ω

Terminating load impedance : Z<sub>L</sub> = 200 Ω

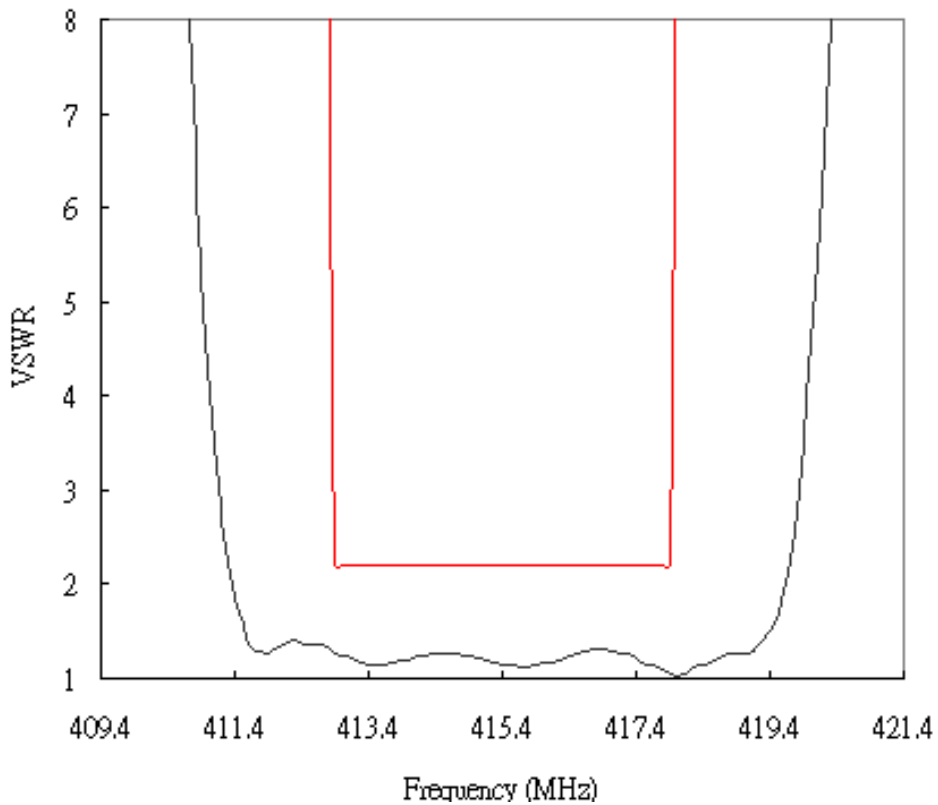
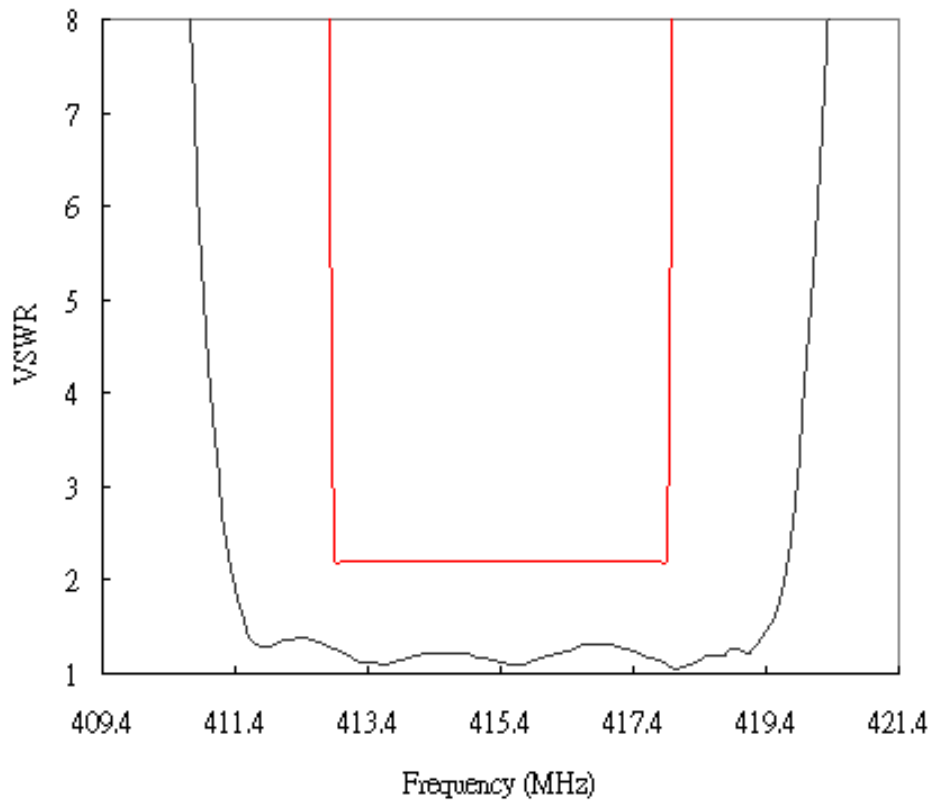
Item		Min.	Typical	Max.
Center frequency	F <sub>c</sub> MH	-	415.4	-
Insertion loss	412.9 ~ 417.9 MHz IL	-	2.2	3.6
Amplitude ripple	412.9 ~ 417.9 MHz	-	0.65	2.1
VSWR	412.9 ~ 417.9 MHz	-	1.3	2.2
Attenuation (Reference level from 0 Db)				
1 ~ 379.0	MHz	40	58	-
379.0 ~ 394.0	MHz	35	55	-
394.0 ~ 405.0	MHz	10	40	-
437.0 ~ 476.0	MHz	36	53	-
476.0 ~ 550.0	MHz	40	55	-
Temperature coefficient of frequency	ppm/k	-	-36	-

### C. FREQUENCY CHARACTERISTICS :

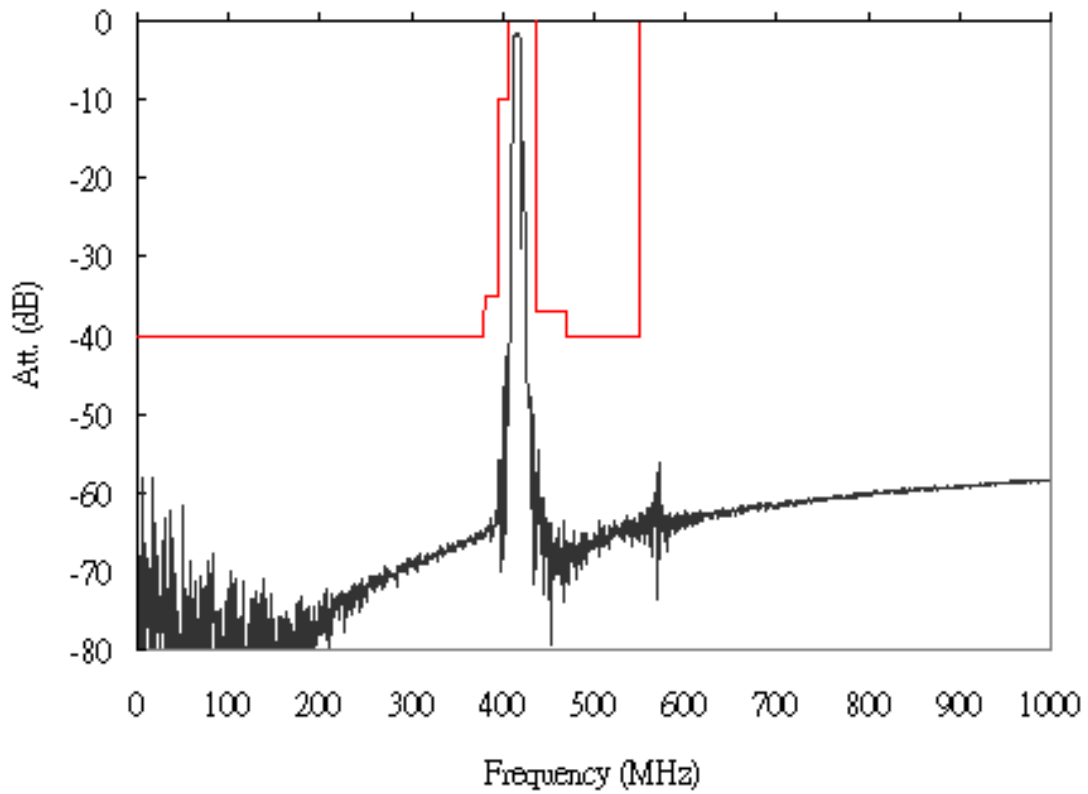
Transfer Function:



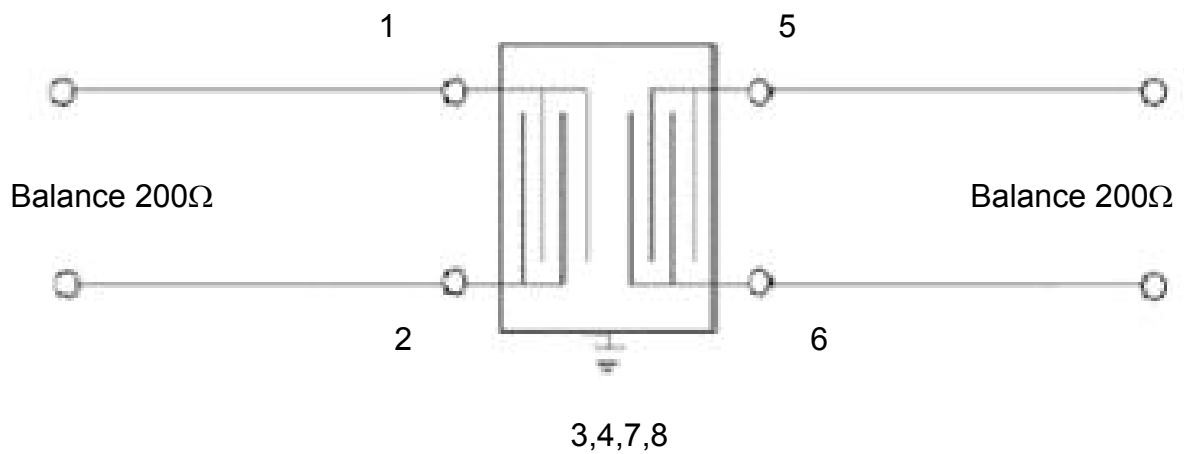
**Reflection Function:**



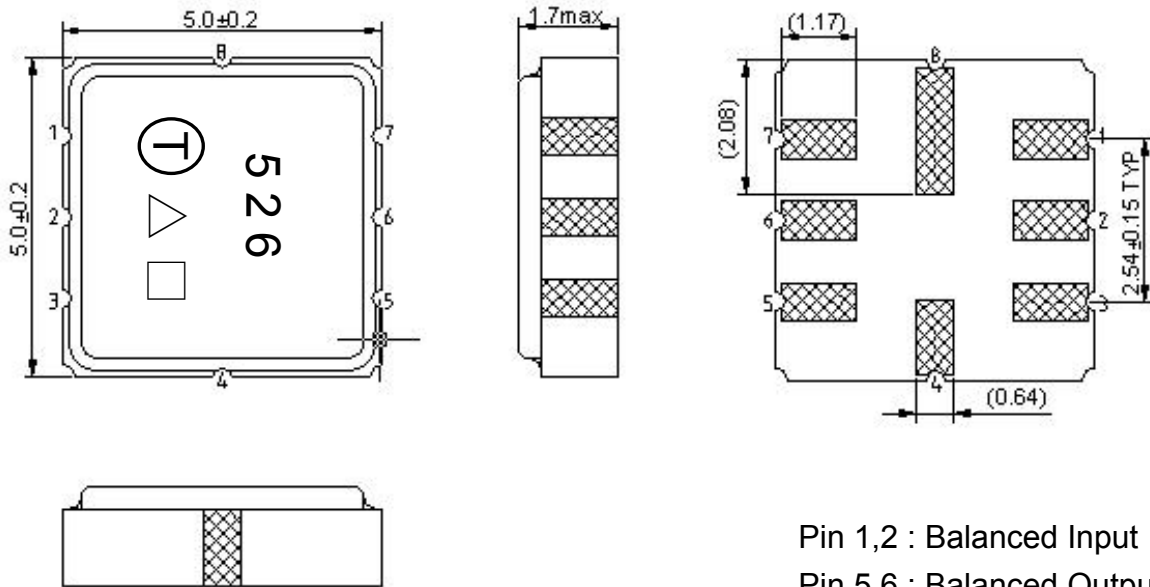
## Wideband



## D. MEASUREMENT CIRCUIT:



**E. OUTLINE DRAWING:**



Pin 1,2 : Balanced Input  
 Pin 5,6 : Balanced Output  
 Pin 3,4,7,8 : Ground

△ : Year Code

□ : Date Code

Unit : mm

Year	2001	2002	2003	2004
	2005	2006	2007	2008
Year Code	A	a	<u>A</u>	<u>a</u>

**F. PCB FOOTPRINT:**

