



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 403.5MHz SMD 3.8×3.8 mm

TST Parts No.:TA0489A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2005/08/15



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SAW Filter 403.5 MHz

MODEL NO.: TA0489A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: 32°C to 42°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

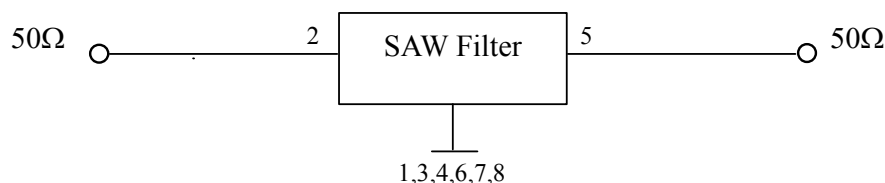
B. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typical	Max.
Center frequency	Fc	MH	-	403.5	-
Insertion loss	402 ~ 405 MHz	IL	-	1.85	3.0
Amplitude ripple	402 ~ 405 MHz		-	0.45	1.3
VSWR	402 ~ 405 MHz			1.5	2.0
Attenuation (Reference level from 0 dB)					
303.5 ~ 358.5	MHz	dB	40	65	-
358.5 ~ 388.5	MHz	dB	35	53	-
423.5 ~ 448.5	MHz	dB	35	47	-
448.5 ~ 503.5	MHz	dB	40	61	-
Temperature coefficient of frequency		ppm/k	-	-37	-
Source impedance	Zs	Ω	-	50	-
Load impedance	ZL	Ω	-	50	-

Note1. No matching network required for operation at 50 Ω

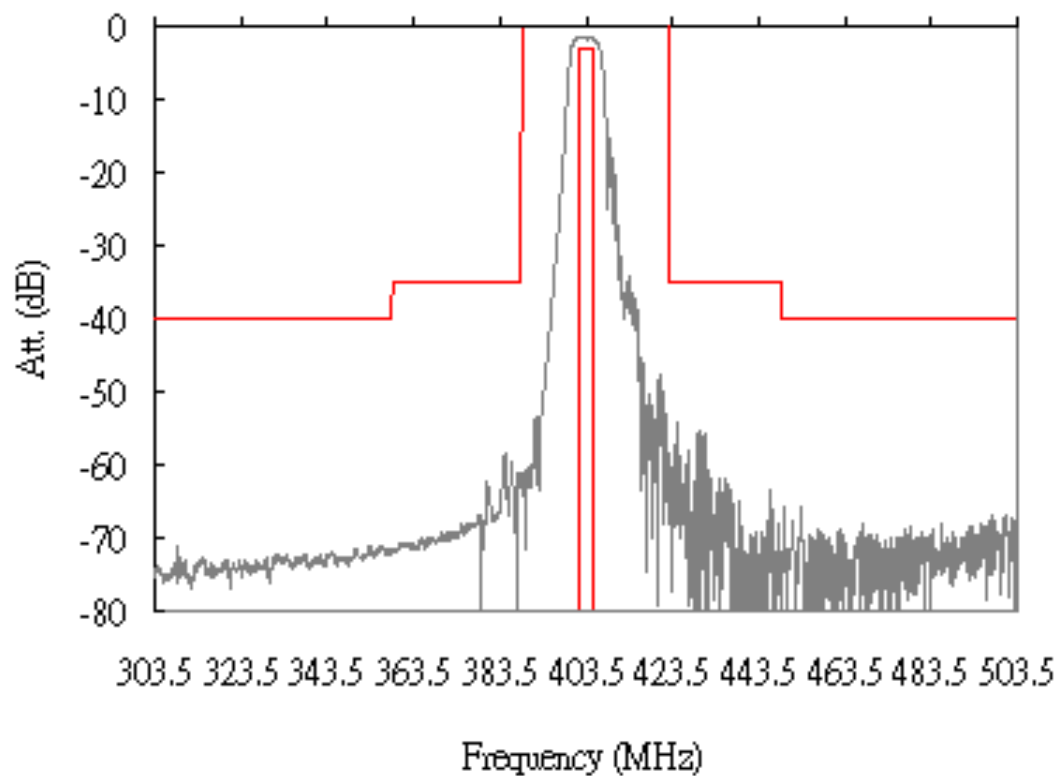
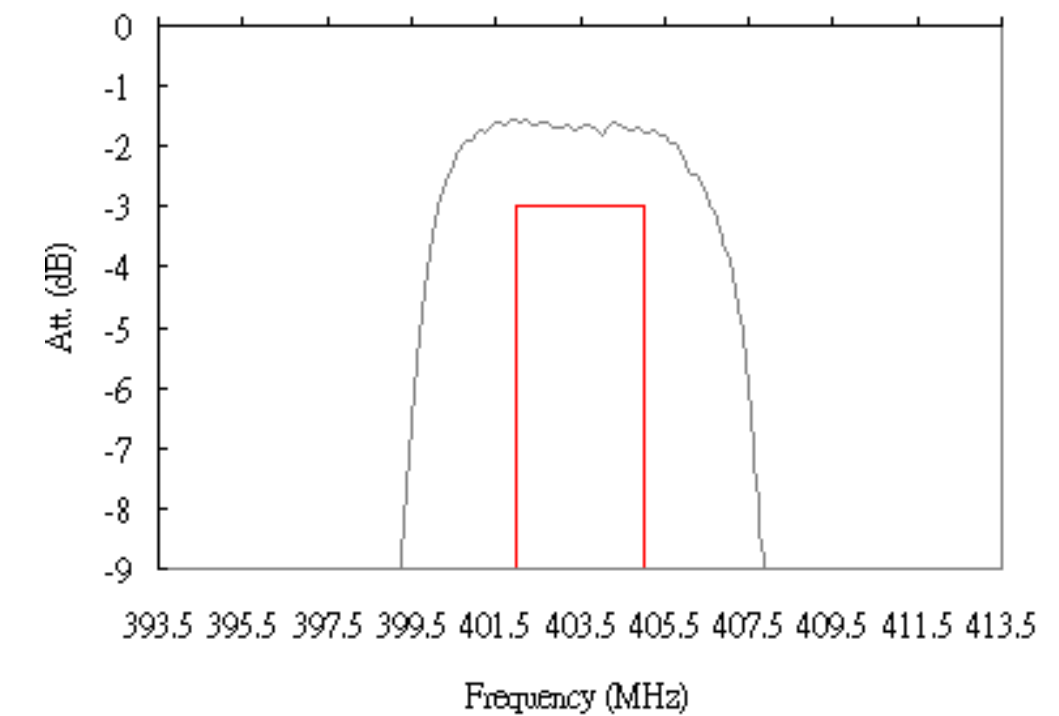
C. MEASUREMENT CIRCUIT:

HP Network analyzer



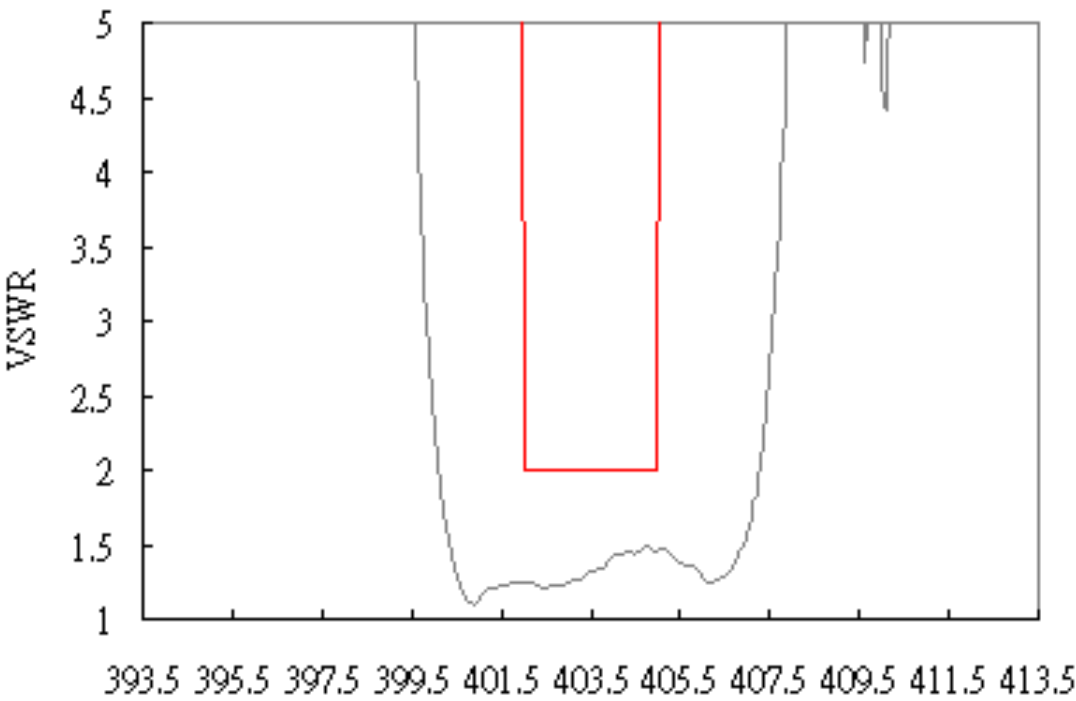
D. FREQUENCY CHARACTERISTICS:

Transfer Function

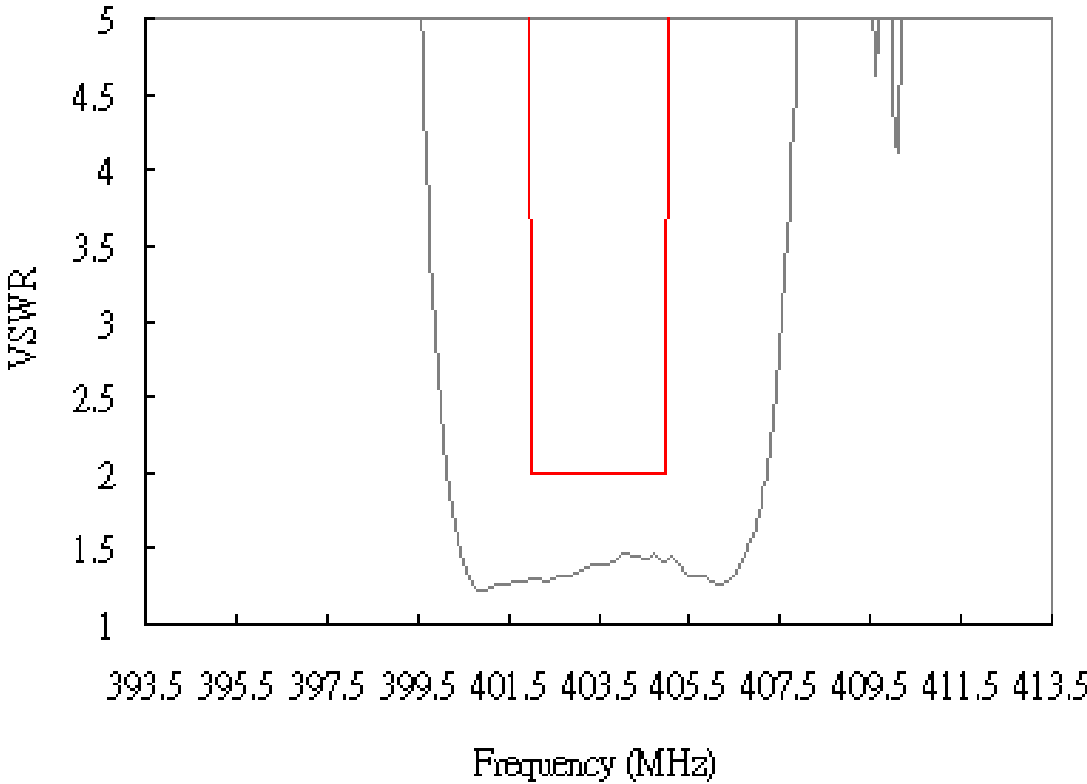


Reflection Function

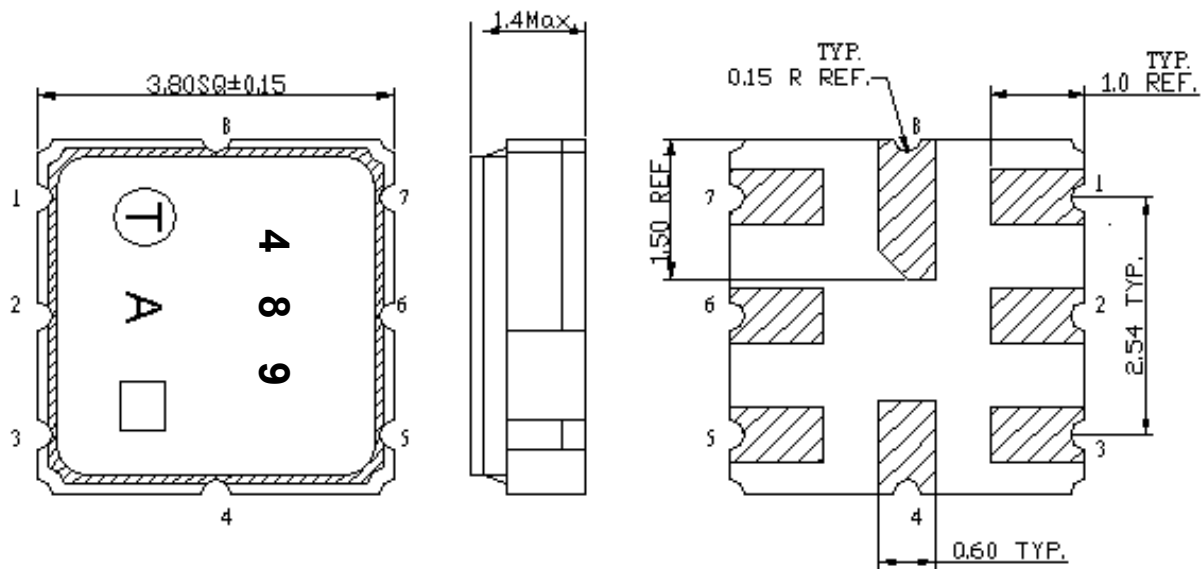
S11



S22

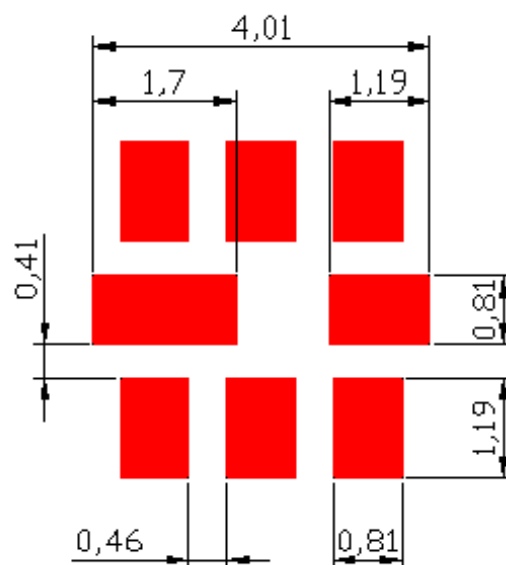


E.OUTLINE DRAWING:



2 : Input
 5: Output
 1,3,4,6,7,8: Ground
 □ : Date Code
 Unit: mm

F.PCB FOOTPRINT:



1. REEL DIMENSION

Technical drawing of a circular structural member. The main view shows a large circle with a central hole, indicated by a dashed circle and a cross symbol. A leader line points from the text "See DETAIL 'A'" to the central hole. To the right, a cross-section view shows the member's profile with dimensions: a total width of 12.0, an outer diameter of $\phi 100$ REF., and an inner diameter of $\phi 330$ REF. Below the main view, a detail view labeled "A" shows a cross-section of the central hole with dimensions: a diameter of $\phi 30$, a diameter of $\phi 20.2$, and a thickness of 2.0.

Section A-A

Direction of Feed