



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.:TA0529A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2005/11/09



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SAW Filter 403.5 MHz

MODEL NO.: TA0529A

REV. NO.:1

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

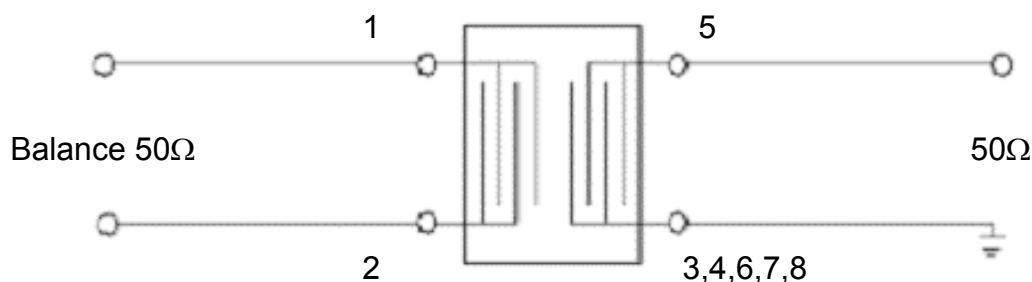
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance: $Z_S=50\Omega$ (balanced)

Terminating load impedance: $Z_L=50\Omega$

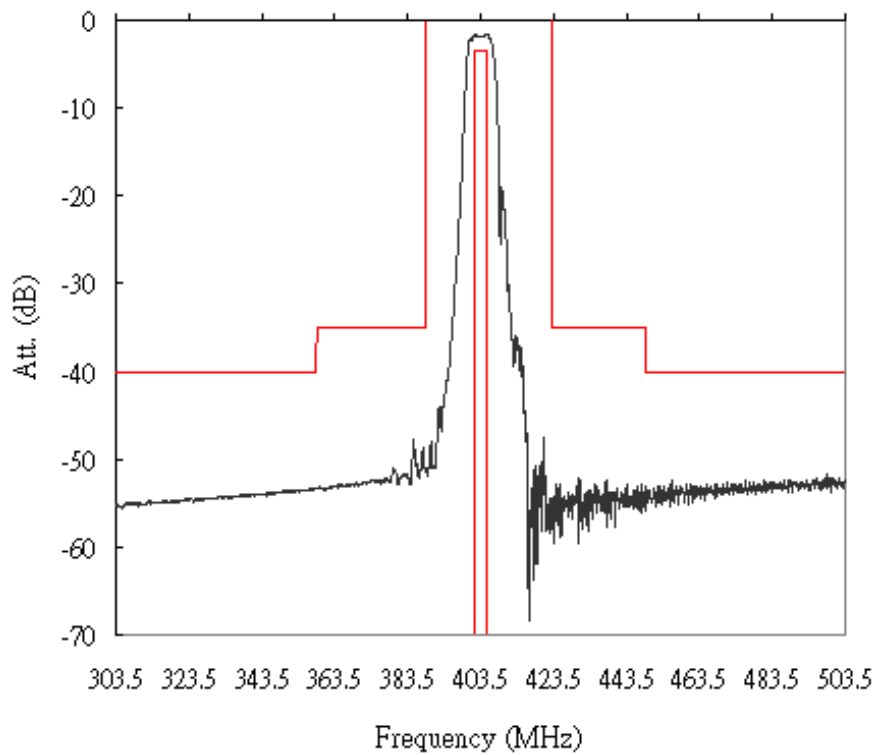
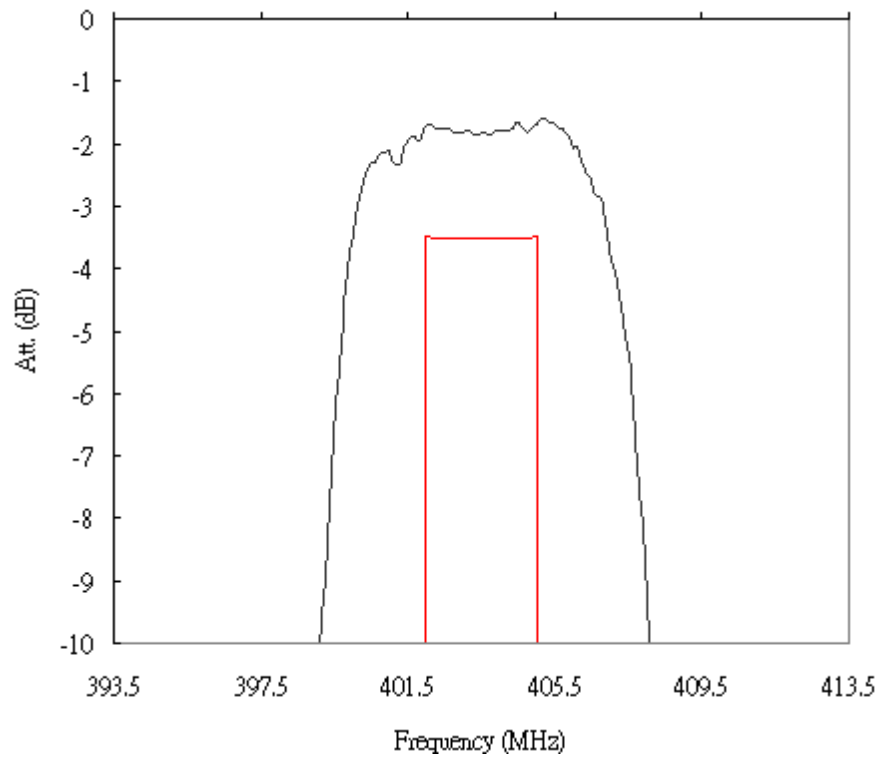
Item			Min.	Typical	Max.
Center frequency	F_c	MH	-	403.5	-
Insertion loss	402 ~ 405 MHz	IL	-	2.15	3.5
Amplitude ripple	402 ~ 405 MHz	dB	-	0.5	1.7
VSWR	402 ~ 405 MHz			1.55	2.25
Attenuation (Reference level from 0 dB)					
303.5 ~ 358.5	MHz	dB	40	51	-
358.5 ~ 388.5	MHz	dB	35	45	-
423.5 ~ 448.5	MHz	dB	35	50	-
448.5 ~ 503.5	MHz	dB	40	51	-

C. MEASUREMENT CIRCUIT:



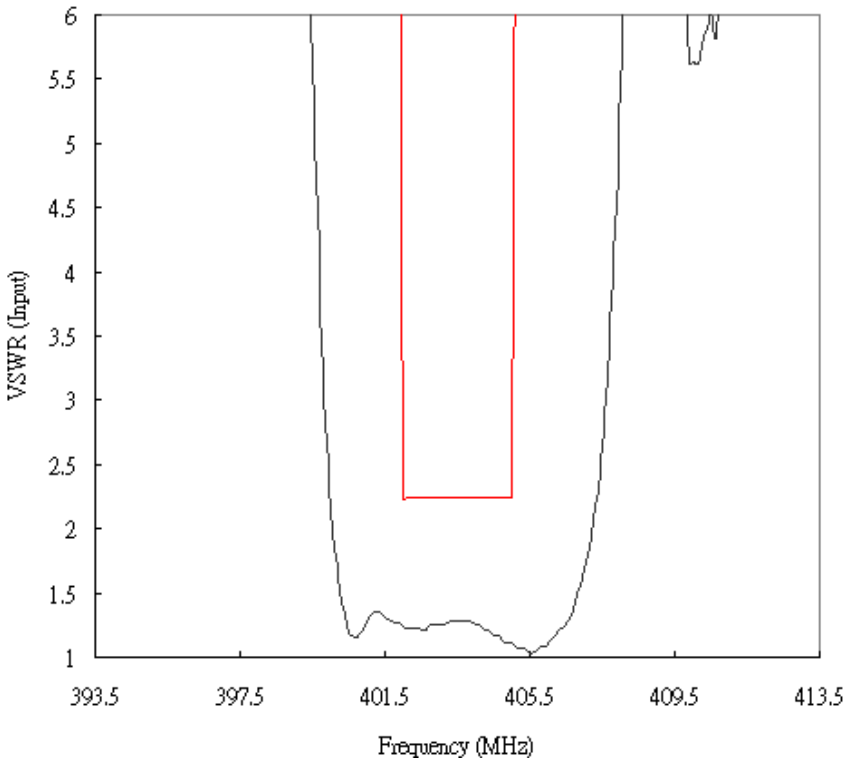
D. FREQUENCY CHARACTERISTICS:

Transfer Function

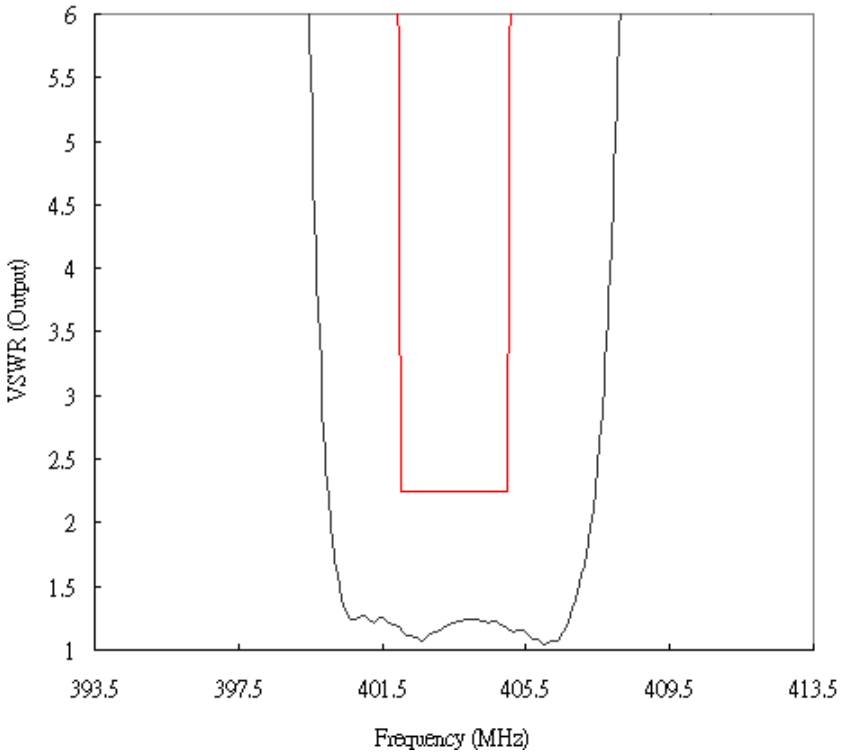


Reflection Function

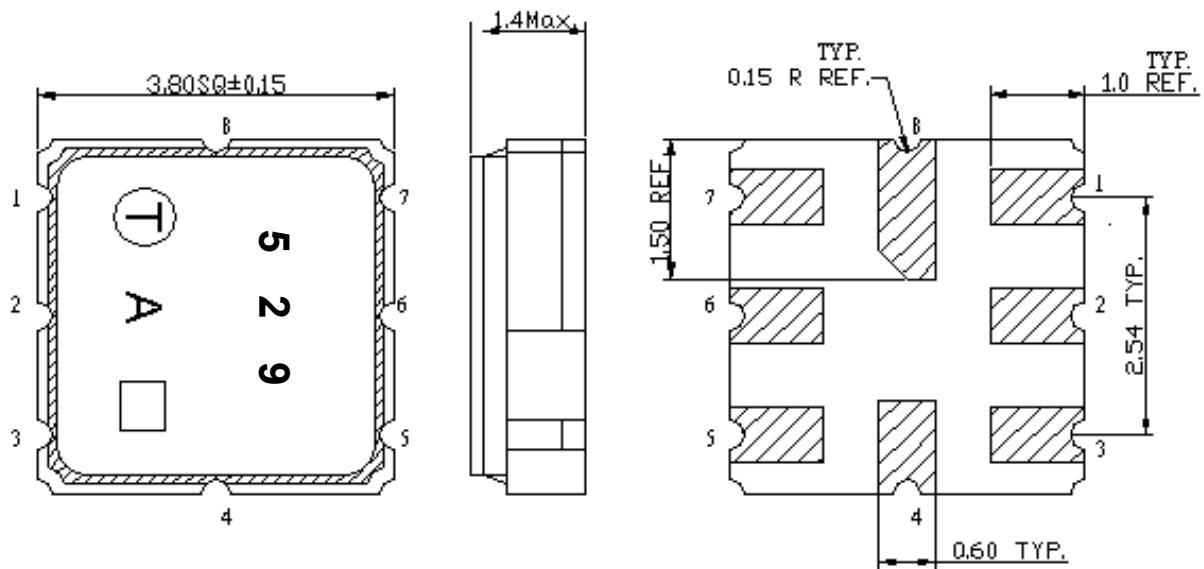
Sdd11



Sss22

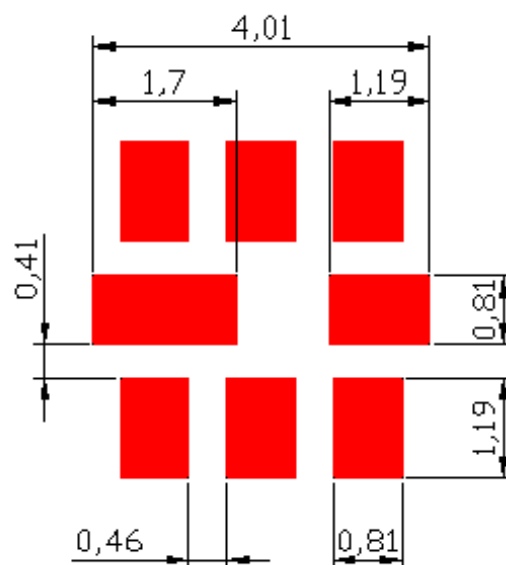


E.OUTLINE DRAWING:



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

F.PCB FOOTPRINT:



1. REEL DIMENSION

See DETAIL 'A'

Technical drawing showing a circular cross-section of a structural member. The drawing includes a large outer circle and a smaller concentric dashed circle representing a hole. A leader line points from the text "See DETAIL 'A'" to the center of the hole. To the right, a vertical section view shows the member's profile with dimensions: a total height of 12.0 and a central hole diameter of $\phi 100$ REF. Below the main drawing, a detail view (DETAIL 'A') shows a cross-section of a bolted connection. It features a central hole with a diameter of $\phi 30$, surrounded by a circular pattern of eight smaller holes with a diameter of $\phi 20.2$. The detail view also shows a horizontal dimension of 2.0.

[illegible]