



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 1615MHz SMD 3.0×3.0mm

TST Parts No.:TA0528A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2005/11/23



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SAW Filter 1615 MHz

MODEL NO.: TA0528A

REV. NO.:1

A. MAXIMUM RATING:

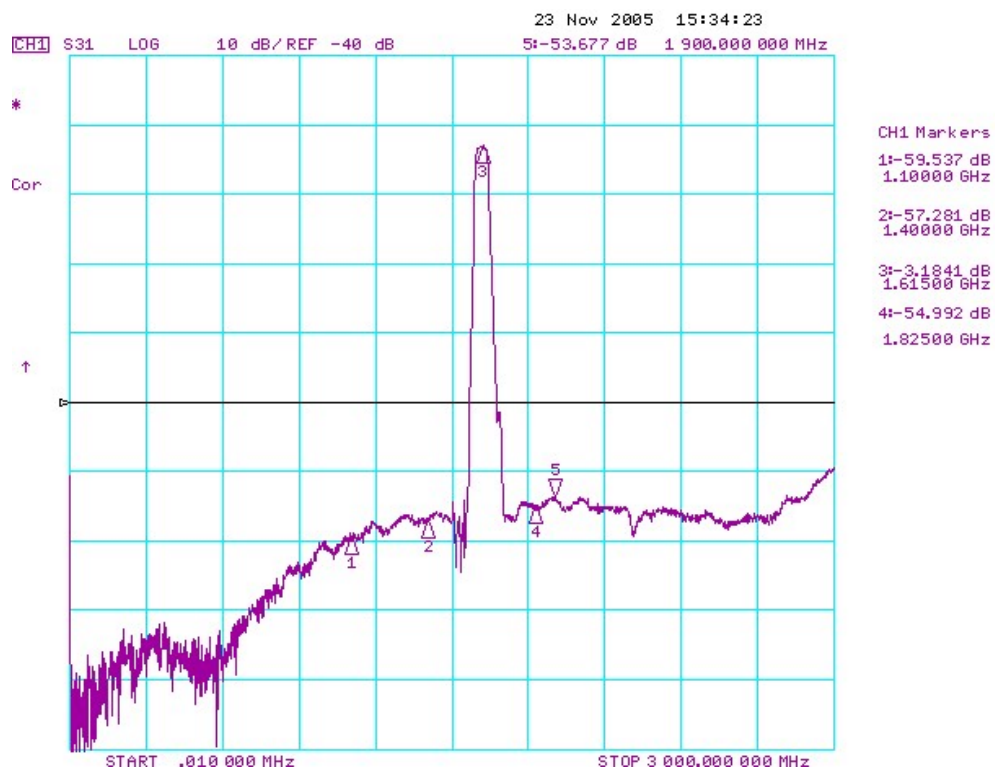
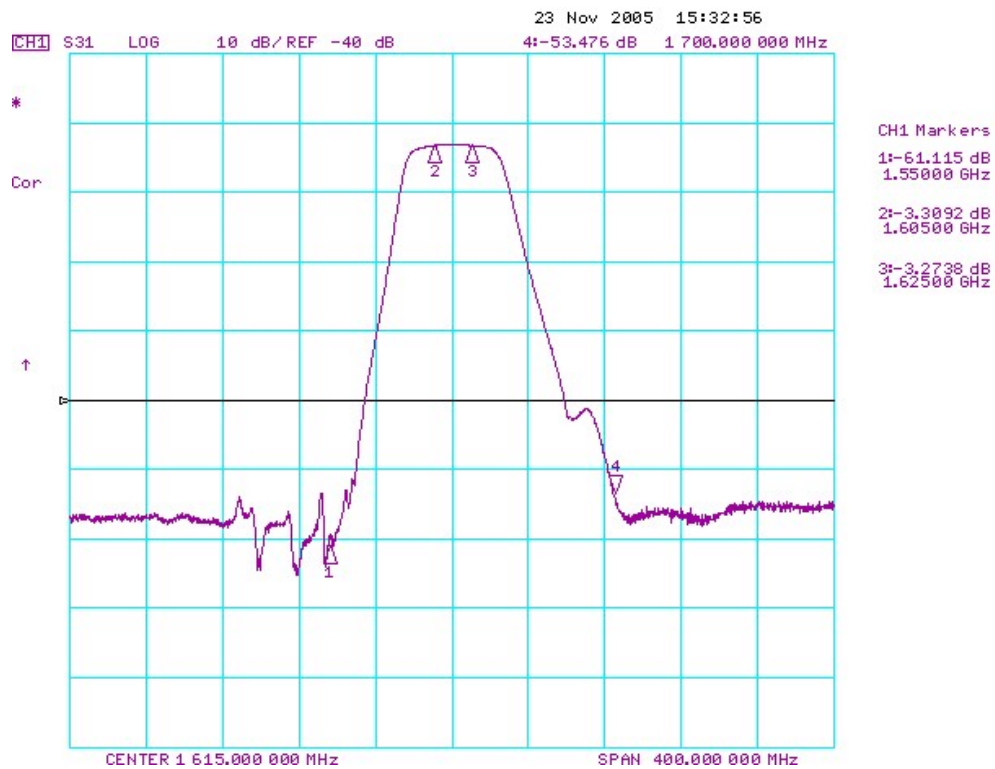
1. Input Power Level: 5 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

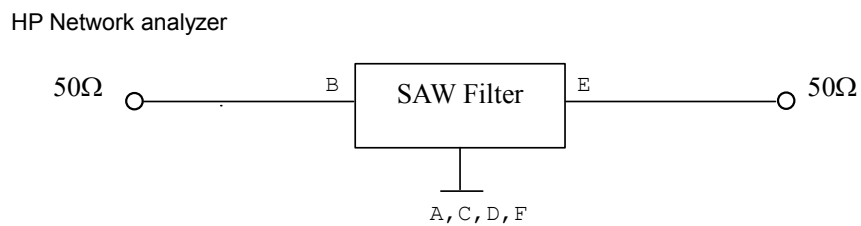
B. CHARACTERISTICS:

Item				Min.	Typ.	Max.
Center frequency	Fc	MHz		-	1615	-
Insertion loss	1605~1625 MHz IL	dB		-	3.4	4.6
Amplitude ripple	1605~1625 MHz	dB		-	0.3	2.0
Attenuation (Reference level from 0dB)						
1100 ~ 1400	MHz	dB		40	55	-
1400 ~ 1550	MHz	dB		33	52	-
1700 ~ 1825	MHz	dB		30	52	-
1825 ~ 1900	MHz	dB		36	52	-
Source impedance	Zs	Ω		-	50	-
Load impedance	ZL	Ω		-	50	-

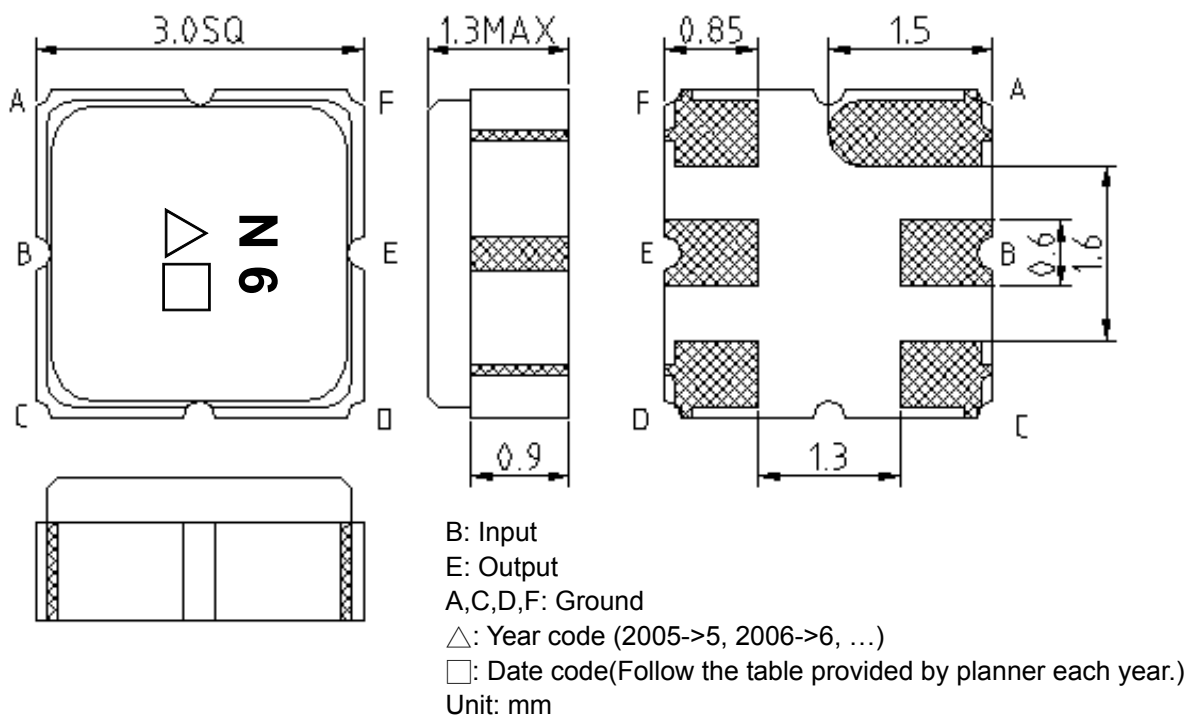
C. TRANSFER FUNCTION :



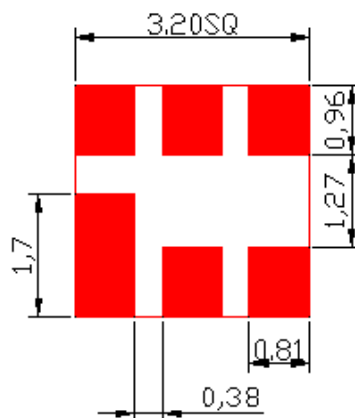
D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



F. PCB FOOTPRINT:



1. REEL DIMENSION

See DETAIL 'A'

Technical drawing showing a circular cross-section of a structural member. The drawing includes a central hole with a diameter of $\phi 3.0$. A detail callout points to the central hole, labeled "See DETAIL 'A'". The drawing also shows a vertical section with dimensions $\phi 100$ REF. and $\phi 330$ REF. The overall diameter of the member is $\phi 330$. A detail view of the central hole is shown at the bottom right, indicating a diameter of $\phi 3.0$ and a thickness of 2.0 .

Technical drawing of a mechanical part showing a top view and two cross-sections, A-A and B-B.

Top View Dimensions:

- Overall width: 12.0
- Overall length: 14.0
- Central row of 7 holes with diameter $\phi 1.5$.
- Distance from left edge to center of first hole: 2.0
- Distance between centers of first three holes: 4.0
- Distance between centers of last three holes: 8.0
- Distance from bottom edge to center of first hole: 3.35
- Rounded ends with radius $R0.5$ (TYP.)

Section A-A:

- Thickness: 0.3
- Fillet radius: $R0.3$ (MAX.)

Section B-B:

- Width: 1.4
- Height: 3.35

Direction of Feed: Indicated by an arrow pointing from right to left.