



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,

Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Description: SAW Filter 1191.795 MHz SMD 3.0x3.0 mm

TST Part No.: TA1170A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 張閔智

Approved by: _____ Francis Chen 108 2

Date: _____ 2010/02/09

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 1191.795 MHz

MODEL NO.:TA1170A

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

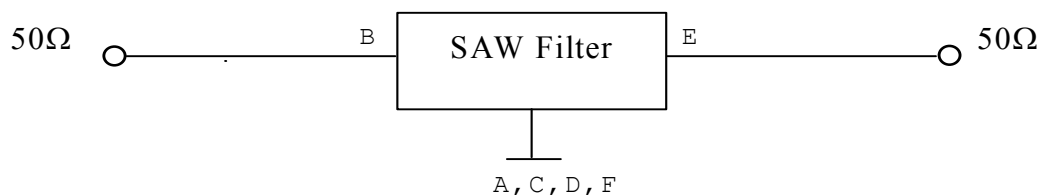
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

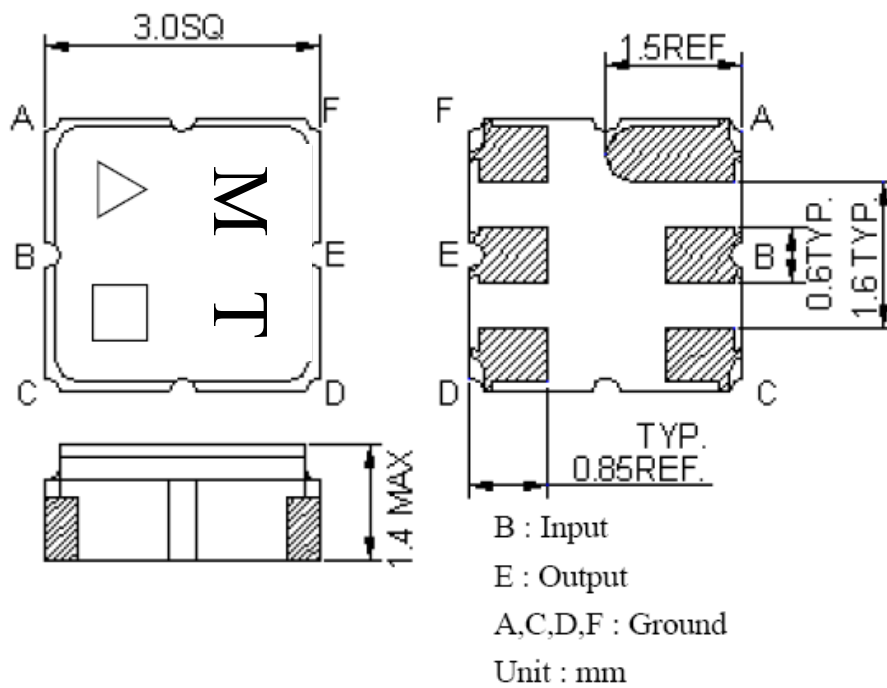
Item	Unit	Min.	Type.	Max.
Center frequency F_c	MHz	-	1191.795	-
Insertion Loss (1175.795~1207.795 MHz) IL	dB	-	2.4	3.5
Amplitude Ripple (1175.795~1207.795 MHz)	dB	-	0.7	2.0
VSWR (1175.795~1207.795 MHz)	-	-	2.1	2.4
Attenuation (Reference level from 0 dB)				
0.3 ~ 300 MHz	dB	30	36	-
300 ~ 1110 MHz	dB	24	30	-
1110 ~ 1145 MHz	dB	30	34	-
1250 ~ 1290 MHz	dB	30	37	-
1290 ~ 1780 MHz	dB	27	32	-
1780 ~ 2000 MHz	dB	30	34	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



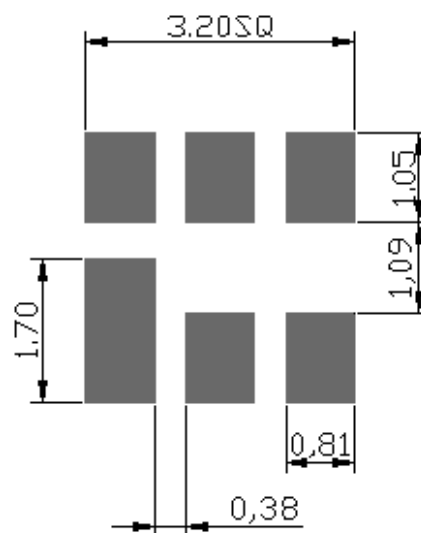
D.OUTLINE DRAWING:



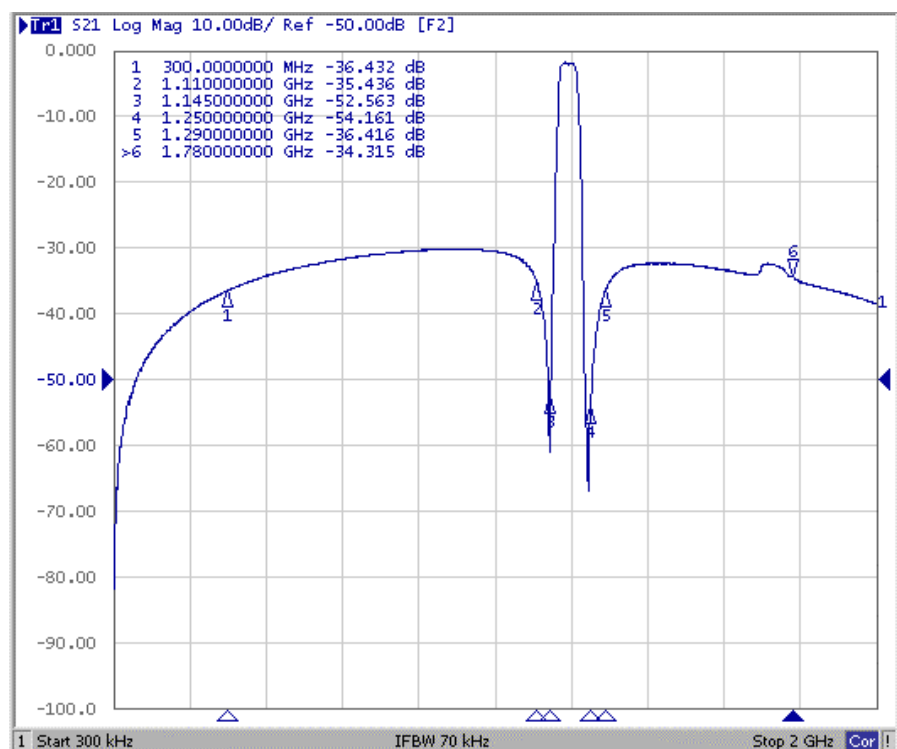
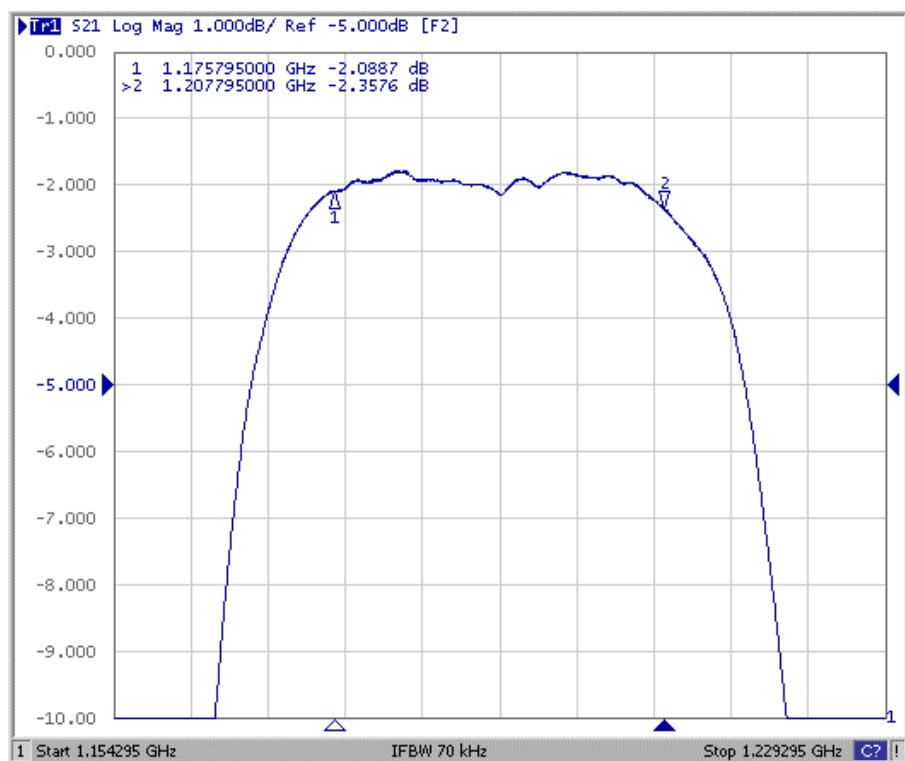
△ : Year Code (2006->6, ..., 2009->9)

□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

E. PCB Footprint:



F. Frequency Characteristics:



1. REEL DIMENSION

Technical drawing of a circular plate. The main view shows a large circle with a central hole. The hole is defined by a dashed circle. A leader line points from the text "See DETAIL 'A'" to the central hole. To the right of the main view, a vertical dimension line indicates the thickness of the plate, labeled "12 TYP.". Below the main view, a detailed view of the central hole is shown. This detail view includes the following dimensions:

- Outer diameter: $\phi 130 \pm 0.3 / -0.2$
- Inner diameter: $\phi 20 \pm 0.2$
- Plate thickness: 2.0 ± 0.5

0.3±0.05

2.0±0.05

4.0±0.05

3.35±0.1

8.0±0.05

1.4±0.1

1.75

5.5±0.05

12.0±0.3

R0.3 (MAX.)

R0.5 (TYP.)

Ø1.5±0.1

SECTION A-A

SECTION B-B

DIMENSION : mm

Direction of Feed

H. RECOMMENDED REFLOW PROFILE :

