



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Product Specifications Approval Sheet

Product Description: SAW Filter 978 MHz SMD 3.0x3.0 mm

TST Part No.: TA1233A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ David Chang 張閔智

Approved by: _____ Francis Chen 張閔智

Date: _____ 2010/07/30

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 978 MHz

MODEL NO.: TA1233A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

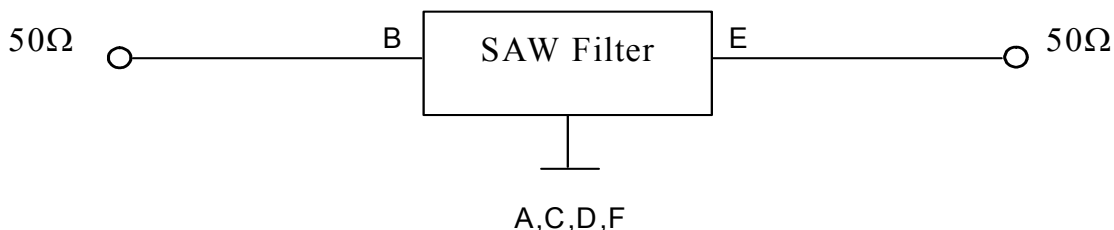
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

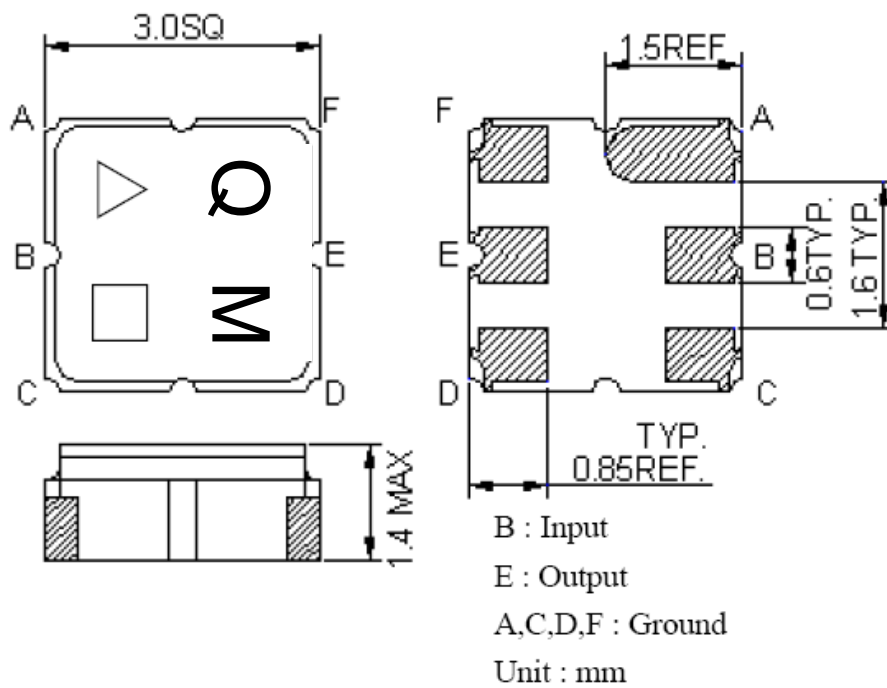
Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	978	-
Min. Insertion Loss IL	dB	-	2	2.5
Amplitude Ripple (975~981 MHz)	dB	-	0.2	1.0
Return Loss (975~981 MHz)	dB	9	10.5	-
Attenuation (Reference level from 0 dB)				
10 ~ 920 MHz	dB	30	51	-
1035 ~ 1660 MHz	dB	30	46	-
1660 ~ 2060 MHz	dB	25	54	-
2060 ~ 3000 MHz	dB	15	32	-

C. MEASUREMENT CIRCUIT:

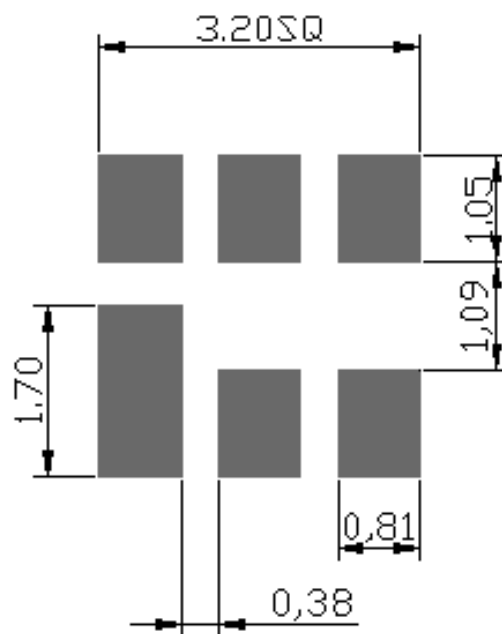
HP Network analyzer



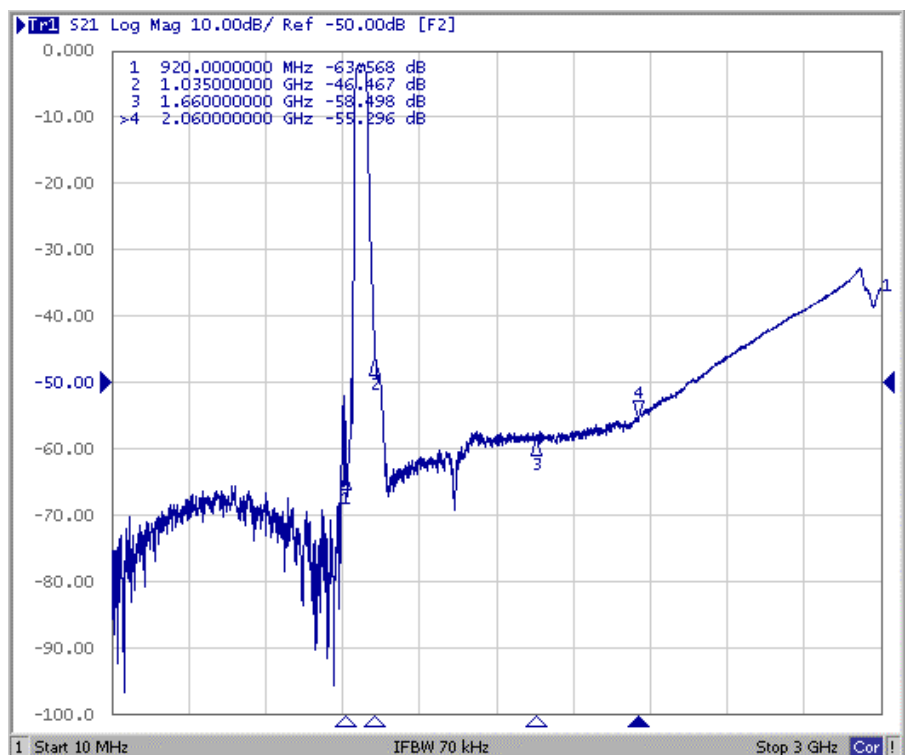
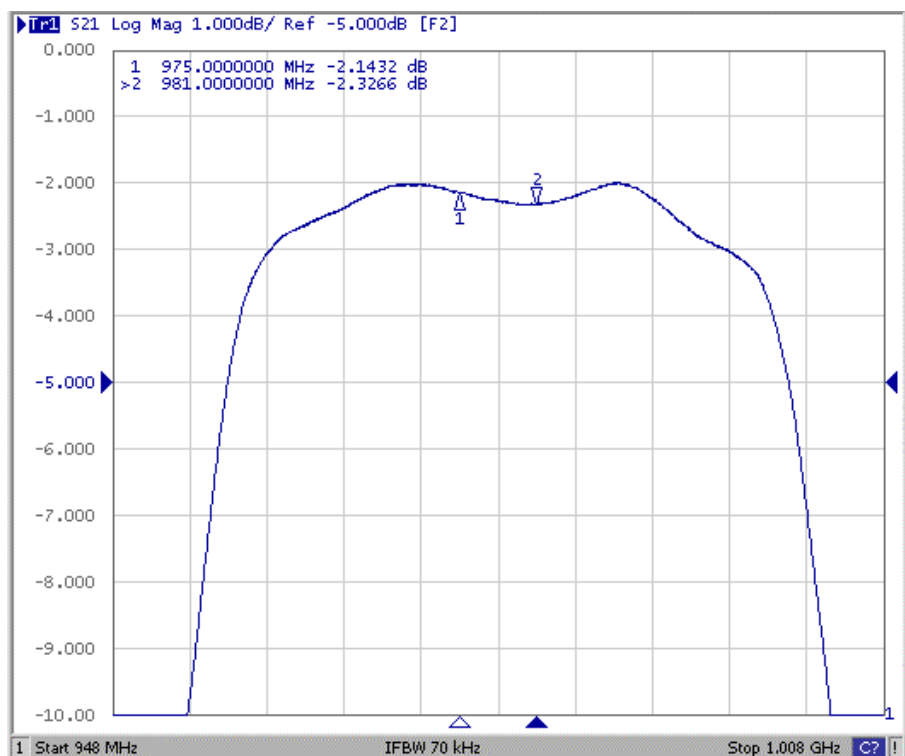
D.OUTLINE DRAWING:



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 a total height of 12 TYP. and a central section with a diameter of $\phi 100$ REF. and a width of $\phi 330$ REF. Below the main view, a detailed view of the central hole is shown. It is a circular hole with a diameter of $\phi 130 \pm 0.3 / -0.2$. The hole is surrounded by a flange with a thickness of 20 ± 0.5 . The flange has a diameter of $\phi 202 \text{ min}$. The hole is also surrounded by a larger circular area with a diameter of $\phi 130 \pm 0.3 / -0.2$.

0.3±0.05

2.0±0.05

4.0±0.05

+0.1
-0.0

A

1.75

3.35±0.1

5.5±0.05

12.0±0.3

R0.3 (MAX.)

1.4±0.1

SECTION A-A

3.35±0.1

8.0±0.05

B

B

A

R0.5 (TYP.)

Ø1.5±0.1

DIMENSION : mm

Direction of Feed

SECTION B-B

H. RECOMMENDED REFLOW PROFILE :

