



# TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,  
Taoyuan, 324, Taiwan, R.O.C.

TEL: 886-3-4690038 FAX: 886-3-4697532

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## Product Specifications Approval Sheet

Product Description: SAW Filter 1457 MHz SMD 3.0X3.0 mm

TST Part No.: TA1048A

Customer Part No.: \_\_\_\_\_

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

Checked by: \_\_\_\_\_ Bob Chau *Bob Chau*

Approved by: \_\_\_\_\_ Francis Chen *Francis Chen*

Date: \_\_\_\_\_ 11, 2, 2009

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 1457 MHz

MODEL NO.:TA1048A

REV. NO.:2

### A. MAXIMUM RATING:

1. Input Power Level: +10 dBm
2. DC Voltage : 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

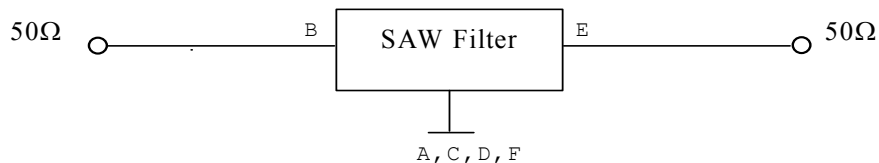
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

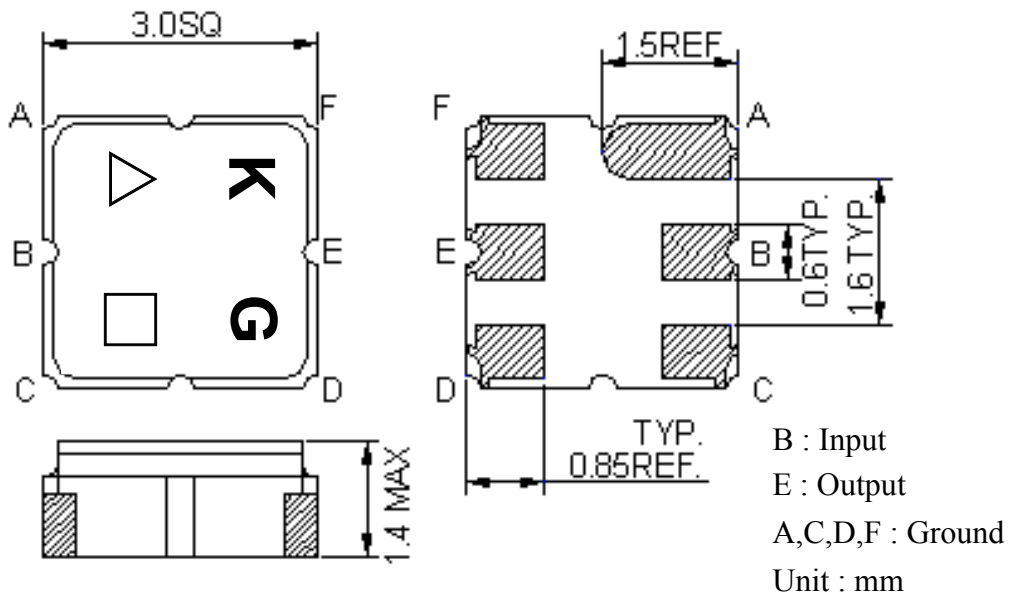
Item	Unit	Min.	Type.	Max.	Note
Center Frequency <b>Fc</b>	MHz	-	1457	-	-
Insertion Loss (1454.5~1459.5 MHz) <b>IL</b>	dB	-	2.7	4	-
Insertion Loss at Center Frequency <b>ILc</b>	dB	-	2.7	3.3	-
Amplitude Ripple (1454.5~1459.5 MHz)	dB	-	0.1	1	-
Bandwidth @ -1 dB	MHz	5	38	-	-
VSWR (1454.5~1459.5 MHz)		-	1.6	2	-
<b>Attenuation</b> (Reference level from 0 dB)					
DC ~ 100 MHz	dB	60	72	-	-
100 ~ 1395 MHz	dB	40	49	-	-
1395 ~ 1401 MHz	dB	30	49	-	-
1513 ~ 1519 MHz	dB	30	45	-	-
2852 ~ 2976 MHz	dB	40	45	-	-
4309 ~ 4433 MHz	dB	8	16	-	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



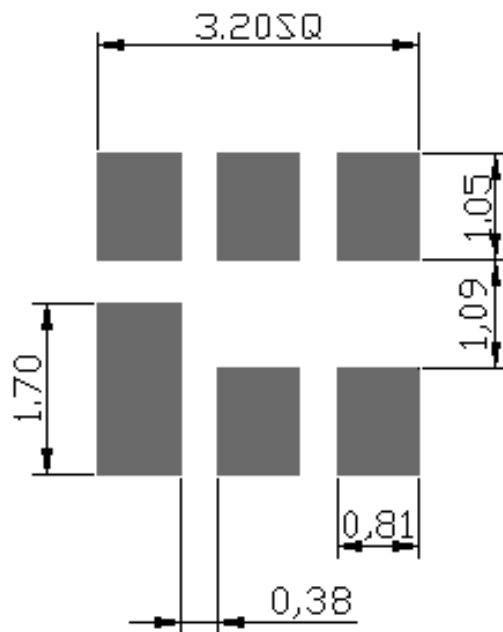
**D.OUTLINE DRAWING:**



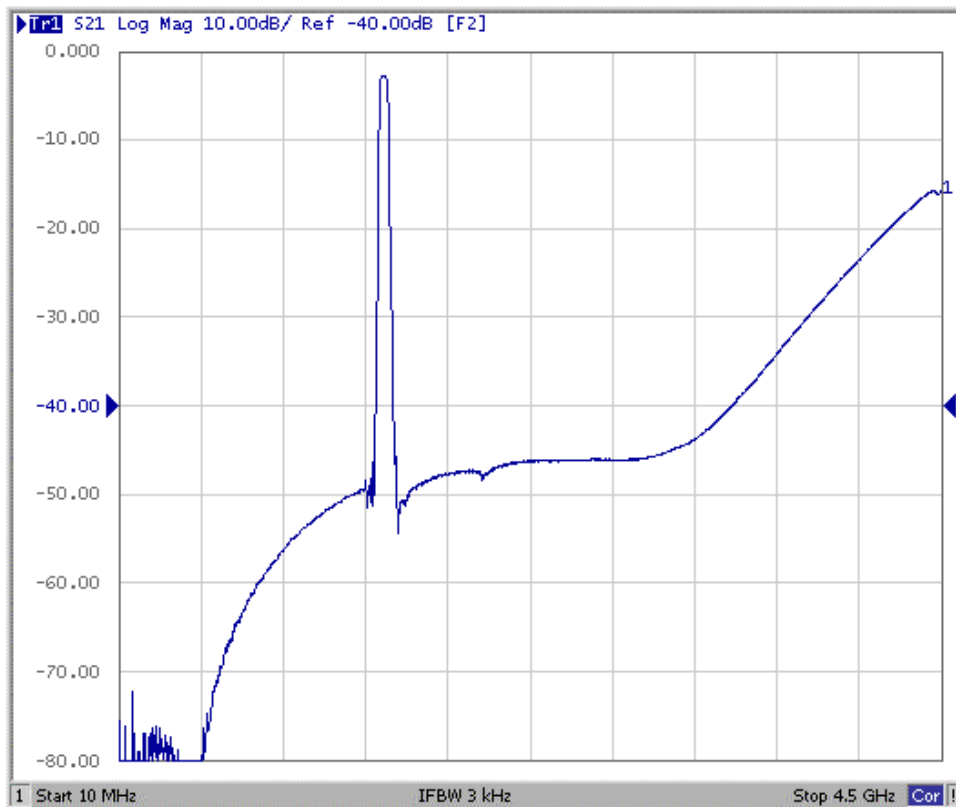
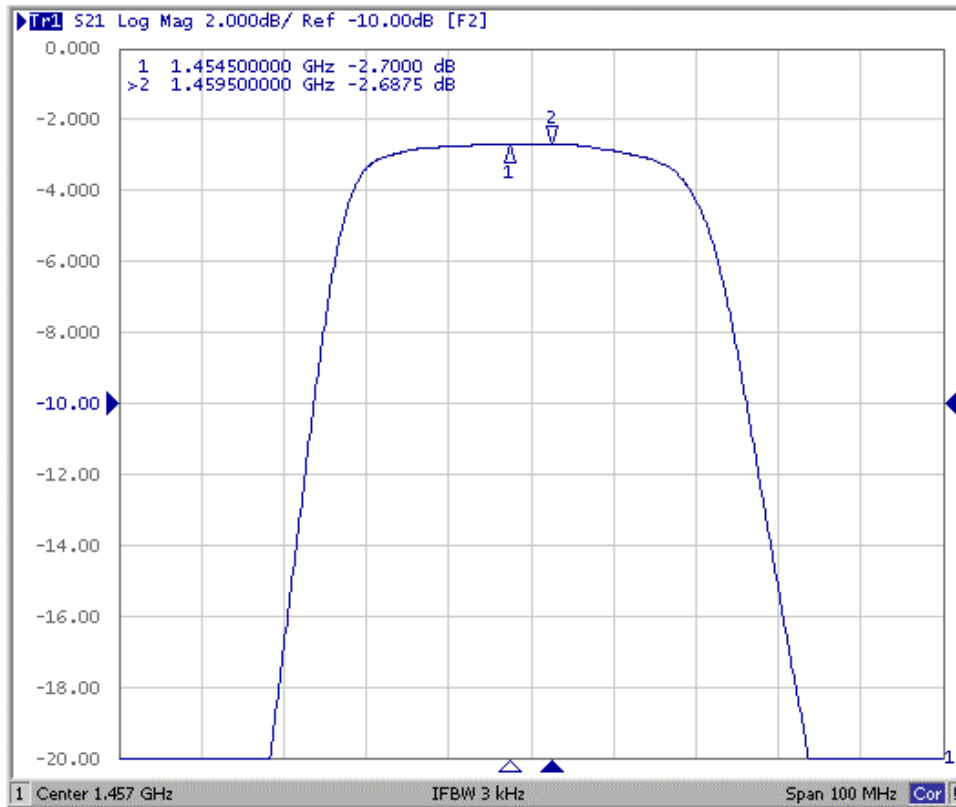
△ : Year Code (2006->6, ..., 2009->9)

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

**E. PCB Footprint:**

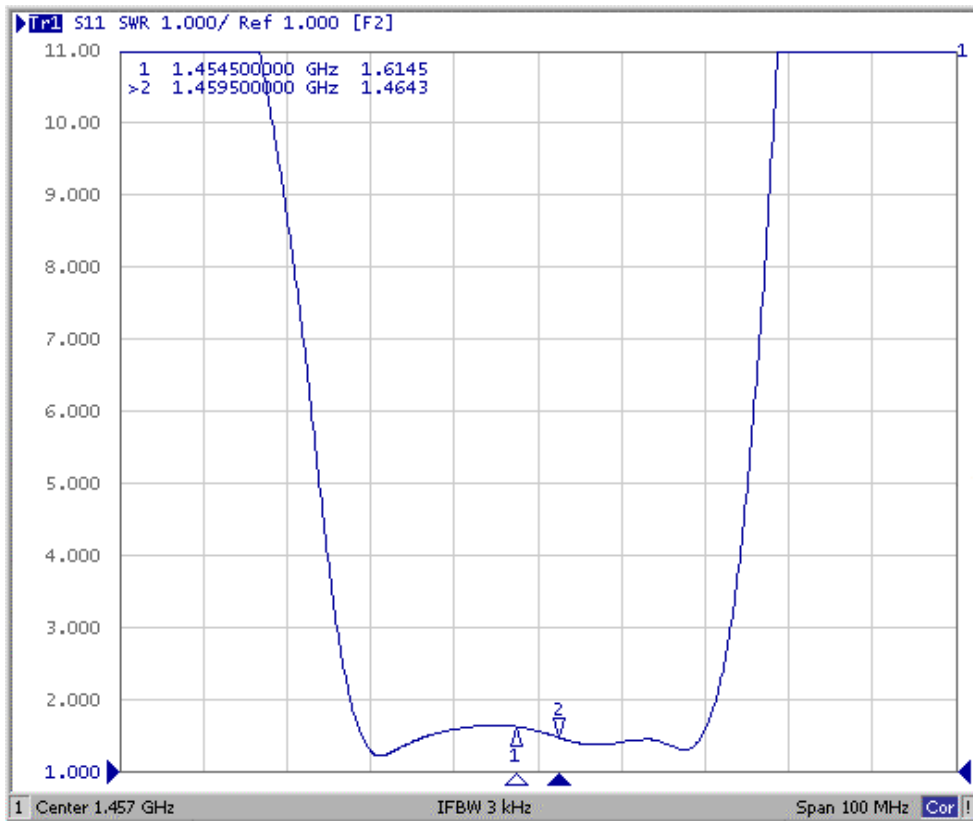


## F. Frequency Characteristics :

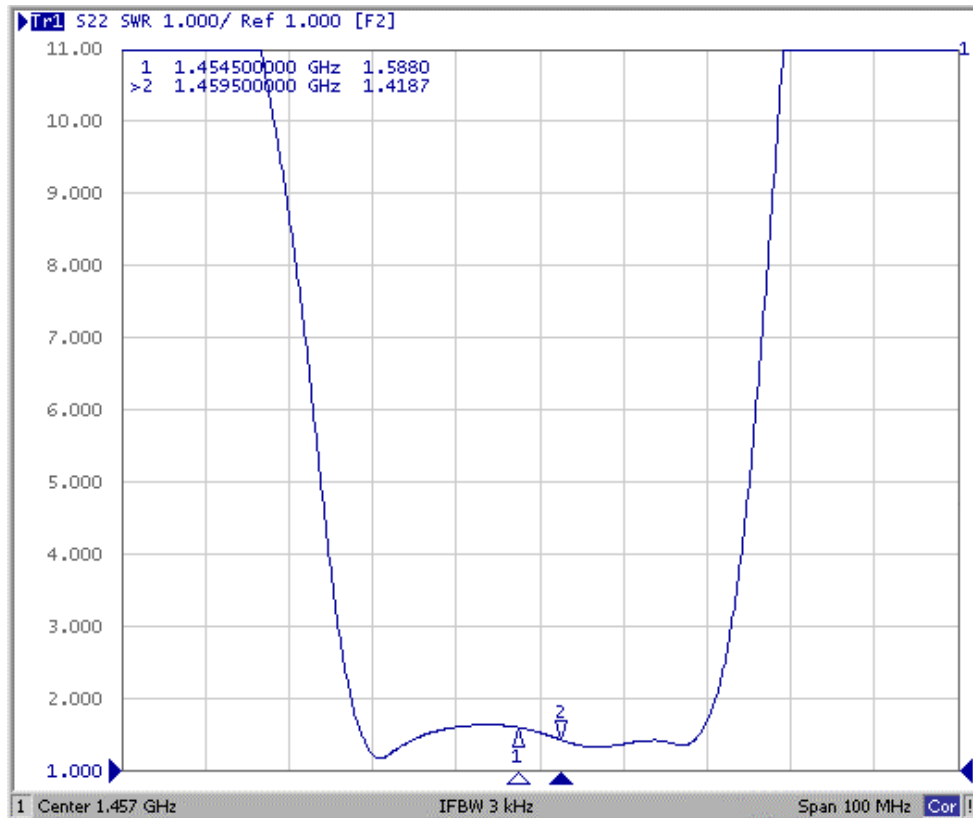


Reflection Functions :

S11



S22



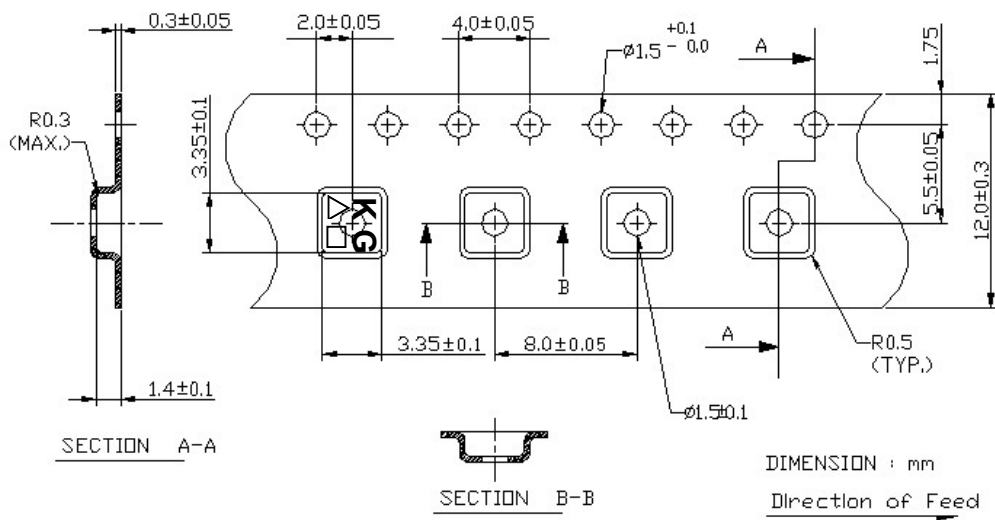
**G. PACKING:**

**1. REEL DIMENSION**

(Reel Count : 7"=1000 ; 13"=3000 )



**2. TAPE DIMENSION**



## H. RECOMMENDED REFLOW PROFILE :

