



# TAI-SAW TECHNOLOGY CO., LTD.

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

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## Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 460 MHz SMD 3.8x3.8 mm

TST Parts No.:TA1010A

Customer Parts No.: \_\_\_\_\_

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: \_\_\_\_\_ David Chang 張閱智

Approval by: \_\_\_\_\_ Francis Chen 陳仲

Date: \_\_\_\_\_ 2009/03/26



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## SAW Filter 460 MHz

MODEL NO.:TA1010A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5 V
3. Operating Temperature: -30°C to +60°C
4. Storage Temperature: -40°C to +85°C

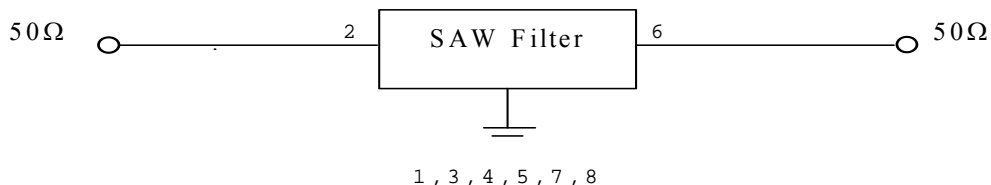
RoHS Compliant  
Lead free  
Lead-free soldering

### B. ELECTRICAL CHARACTERISTICS:

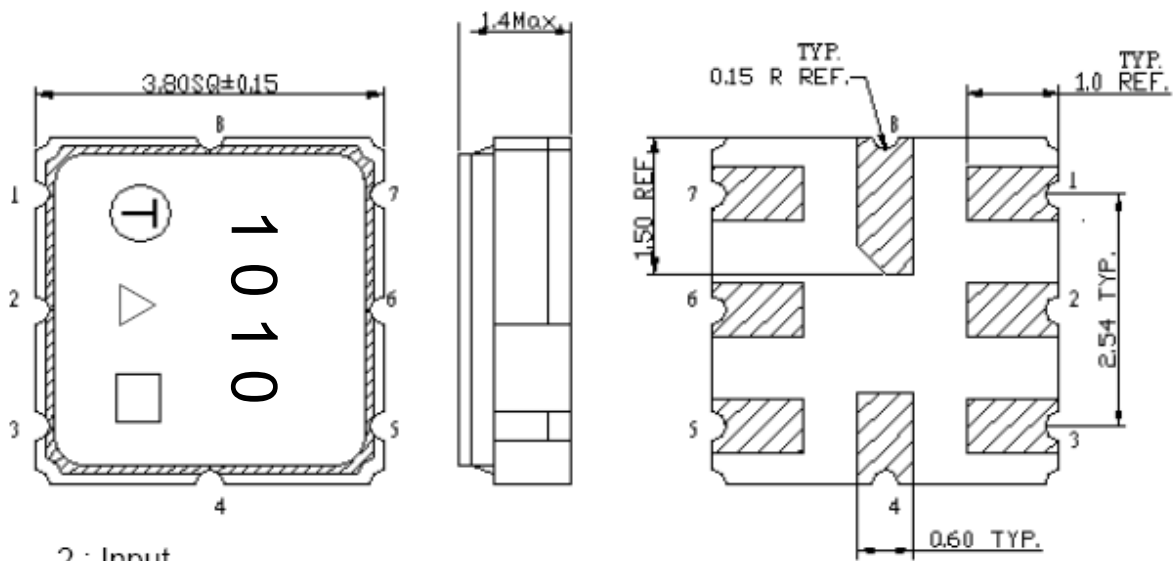
Item	Unit	Min.	Type.	Max.
<b>Center frequency</b> <b>Fc</b>	MHz	-	460	-
<b>Insertion loss</b> (450~470 MHz) <b>IL</b>	dB	-	2.6	3.2
<b>Amplitude Ripple</b> (450~470 MHz)	dB	-	1.2	2.4
<b>Return loss</b> (450~470 MHz)	dB	7	8.2	-
<b>Attenuation</b> (Reference level from 0 dB)				
0.3 ~ 300 MHz	dB	30	58	-
300 ~ 380 MHz	dB	24	56	-
380 ~ 430 MHz	dB	15	54	-
504.825 ~ 524.825 MHz	dB	12	44	-
559.65 ~ 579.65 MHz	dB	28	56	-
669.3 ~ 689.3 MHz	dB	24	54	-
689.3 ~ 1000 MHz	dB	26	44	-
<b>Temperature Coefficient of Frequency</b>	ppm/°C	-	-36	-

### C. MEASUREMENT CIRCUIT:

HP Network analyzer



**D.OUTLINE DRAWING:**

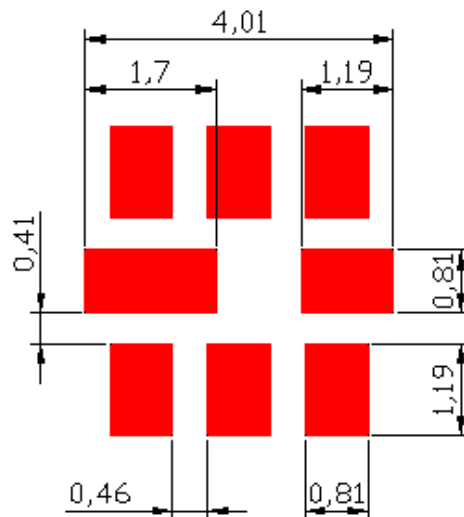


- 2 : Input
- 6: Output
- 1,3,4,5,7,8: Ground
- △ : Year Code
- : Date Code (W01->A, W02->B,...,W52->z)

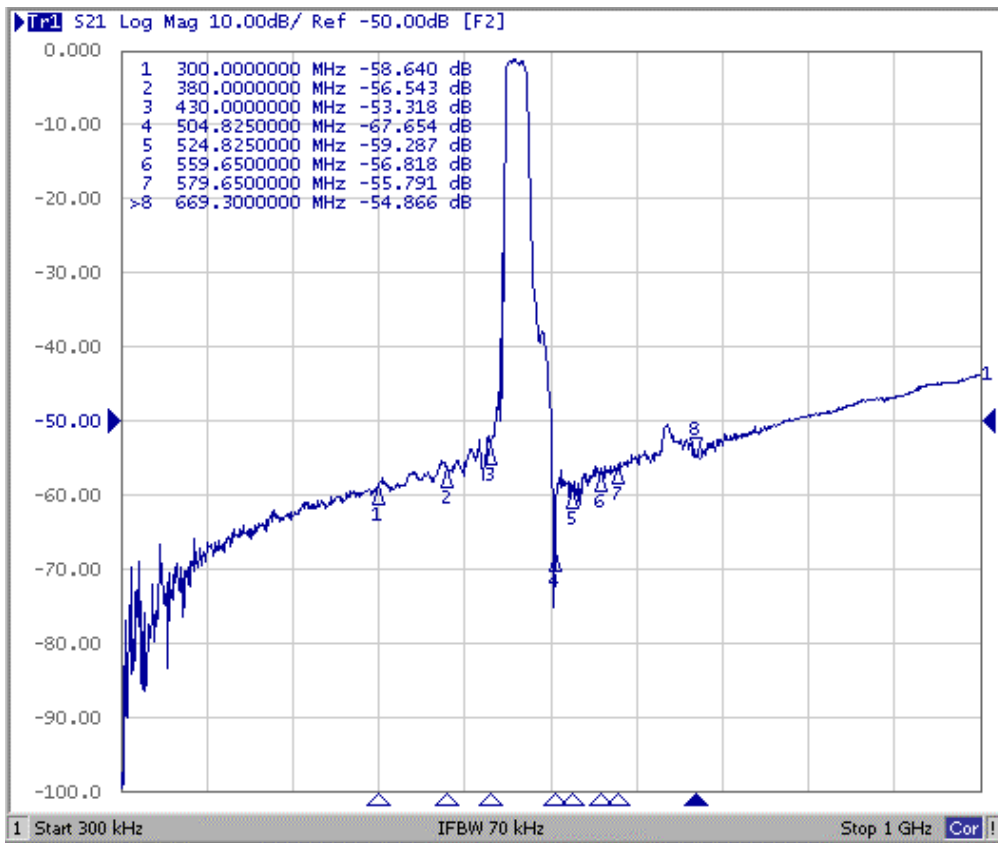
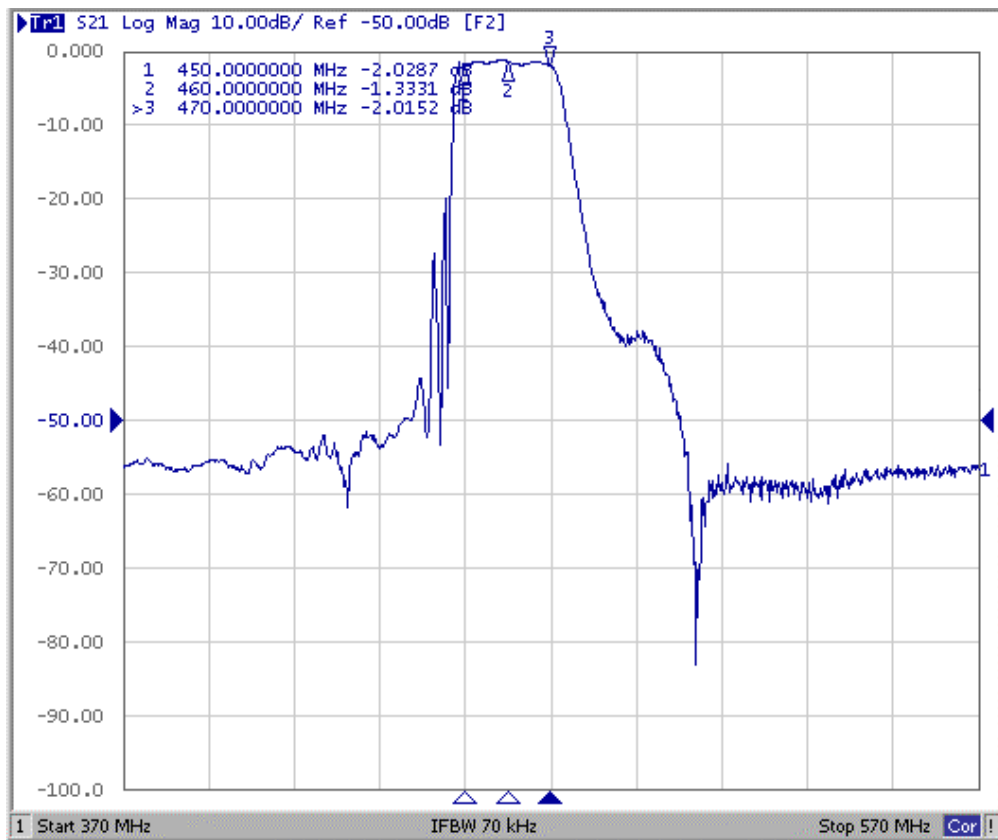
△ Product Year Code

Year	2007	2008
	2009	2010
	2011	2012
Product Code	A	a

**E. PCB Footprint:**



## F. Frequency Characteristics :





**H. RECOMMENDED REFLOW PROFILE :**

