



# 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 430MHz SMD 3.8×3.8mm

TST Parts No.: TA0655A

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

Company: \_\_\_\_\_

Division: \_\_\_\_\_

Approved by : \_\_\_\_\_

Date: \_\_\_\_\_

Checked by: \_\_\_\_\_ Asin Lin

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

Date: \_\_\_\_\_ 2007/01/26



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## SAW Filter 430 MHz

MODEL NO.: TA0655A

REV. NO.:1

### A. MAXIMUM RATING:

1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 3 V
3. Operating Temperature: -10°C to 60°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant  
Lead free  
Lead-free soldering

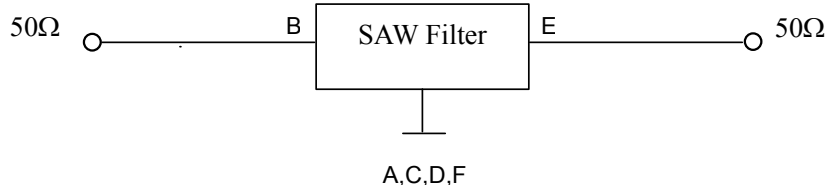
### B. CHARACTERISTICS:

| Item                                    |                      |      | Min.   | Typ. | Max. |
|-----------------------------------------|----------------------|------|--------|------|------|
| Center frequency                        | Fc                   | MHz  | -      | 430  | -    |
| Insertion loss                          | 428.0 ~ 432.0 MHz IL | (dB) | -      | 2.0  | 3.6  |
| Amplitude ripple                        | 428.0 ~ 432.0 MHz    | (dB) | -      | 0.5  | 1.5  |
| VSWR                                    | 428.0 ~ 432.0 MHz    | (dB) | -      | 1.35 | 2.0  |
| Group Delay Variation                   | Fc ± 2MHz            | (ns) |        | 80   |      |
| Absolute Group Delay at Fc              |                      | (ns) | -      | 130  | -    |
| Attenuation (Reference level from 0dB ) |                      |      |        |      |      |
|                                         | 10 ~ 415 MHz         | (dB) | 40     | 45   | -    |
|                                         | 455 ~ 600 MHz        | (dB) | 40     | 51   | -    |
| Source impedance                        | Zs                   | (Ω)  | -      | 50   | -    |
| Load impedance                          | ZL                   | (Ω)  | -      | 50   | -    |
| Temperature Coefficient                 |                      |      | ppm/°C | -36  |      |

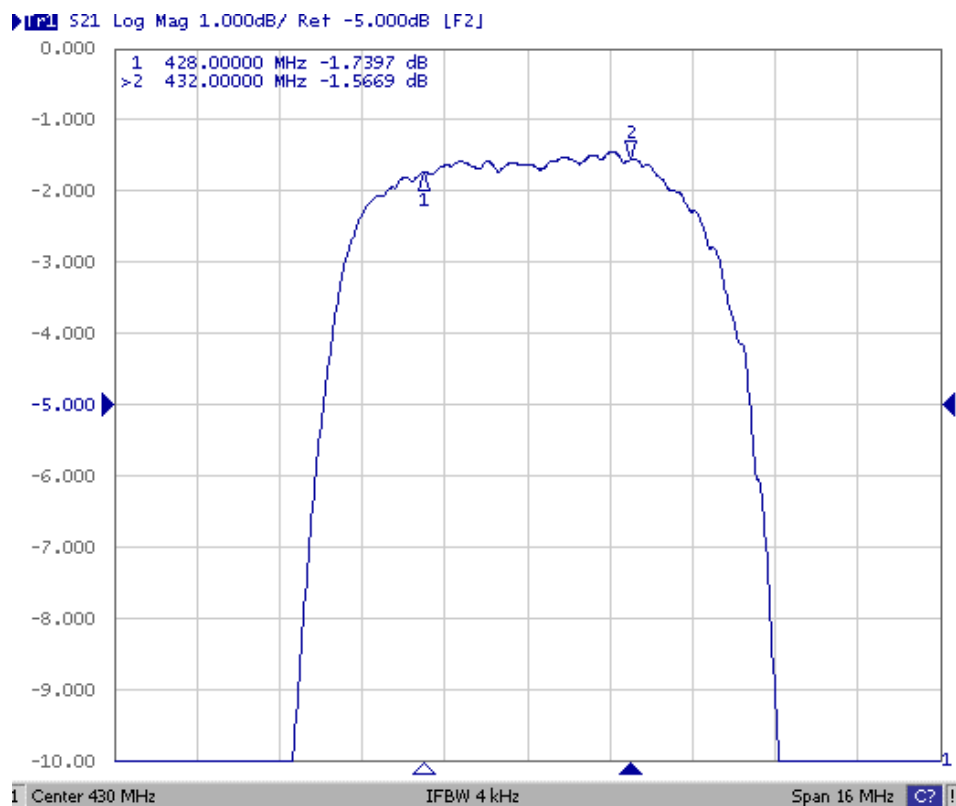
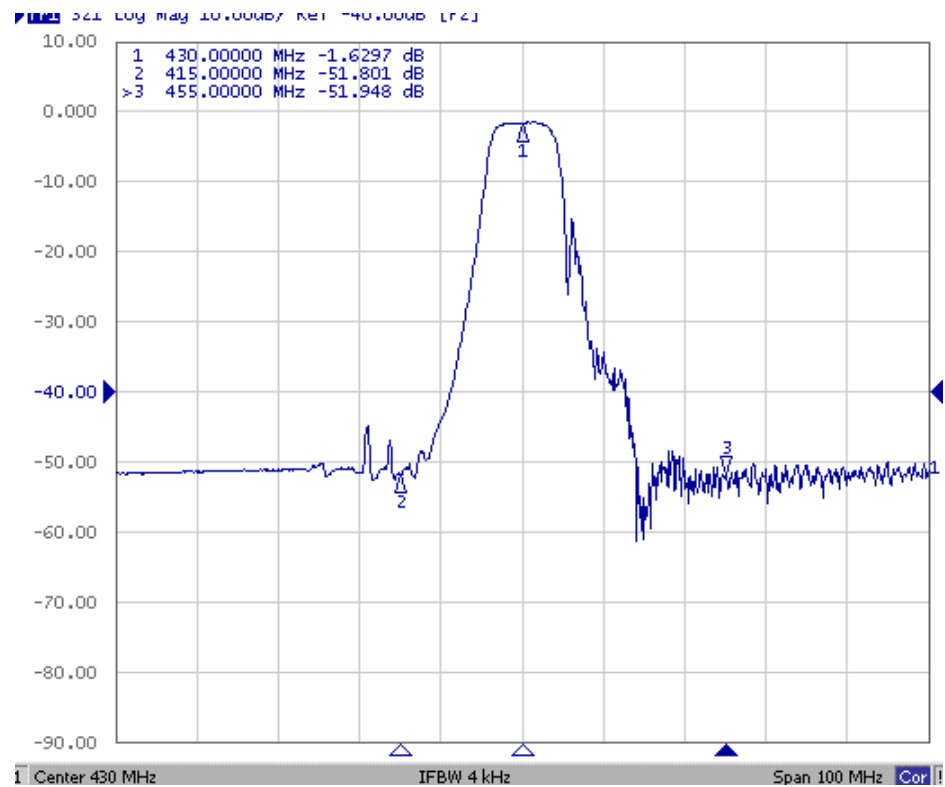
Note1. No matching network required for operation at 50Ω

### C. MEASUREMENT CIRCUIT:

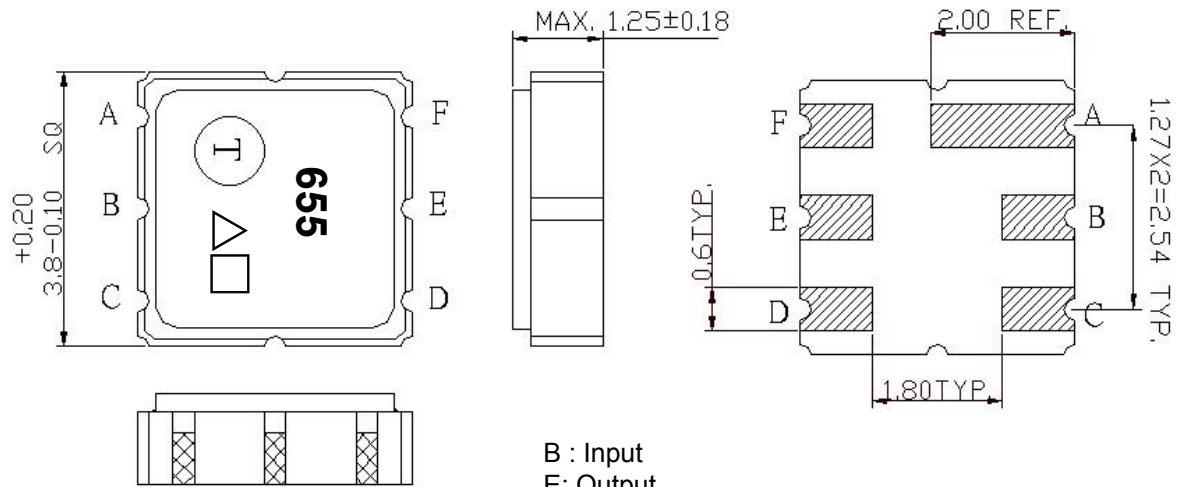
HP Network analyzer



## D. TRANSFER FUNCTION :



# E.OUTLINE DRAWING:

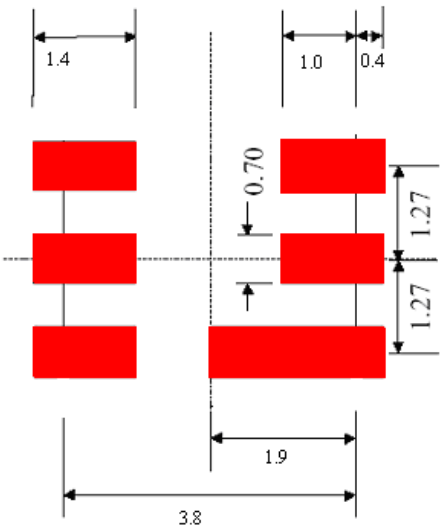


B : Input  
E: Output  
A,C,D,F Ground  
△:Year Code  
□: Date Code(Follow the table provided by planner each year.)  
Unit: mm

△ Product Year Code

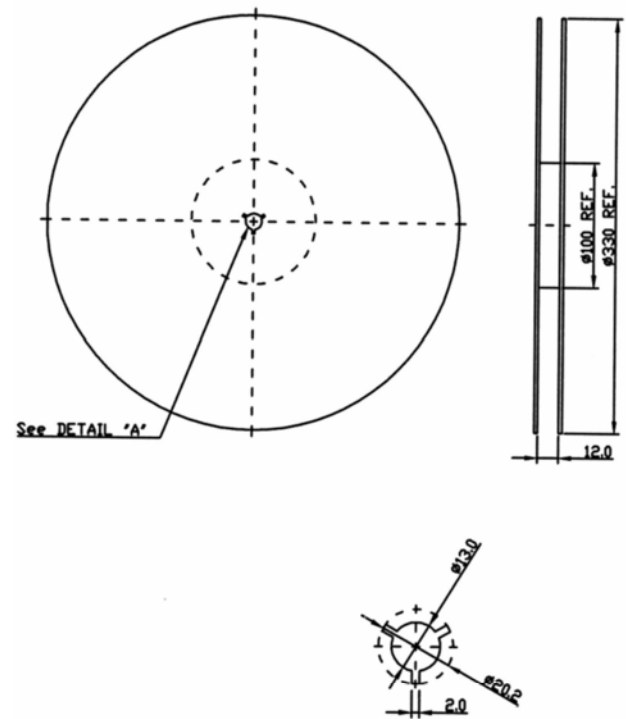
|              |      |      |
|--------------|------|------|
| Year         | 2005 | 2006 |
|              | 2007 | 2008 |
|              | 2009 | 2010 |
|              | .    | .    |
| Product Code | A    | a    |

# F.PCB FOOTPRINT:

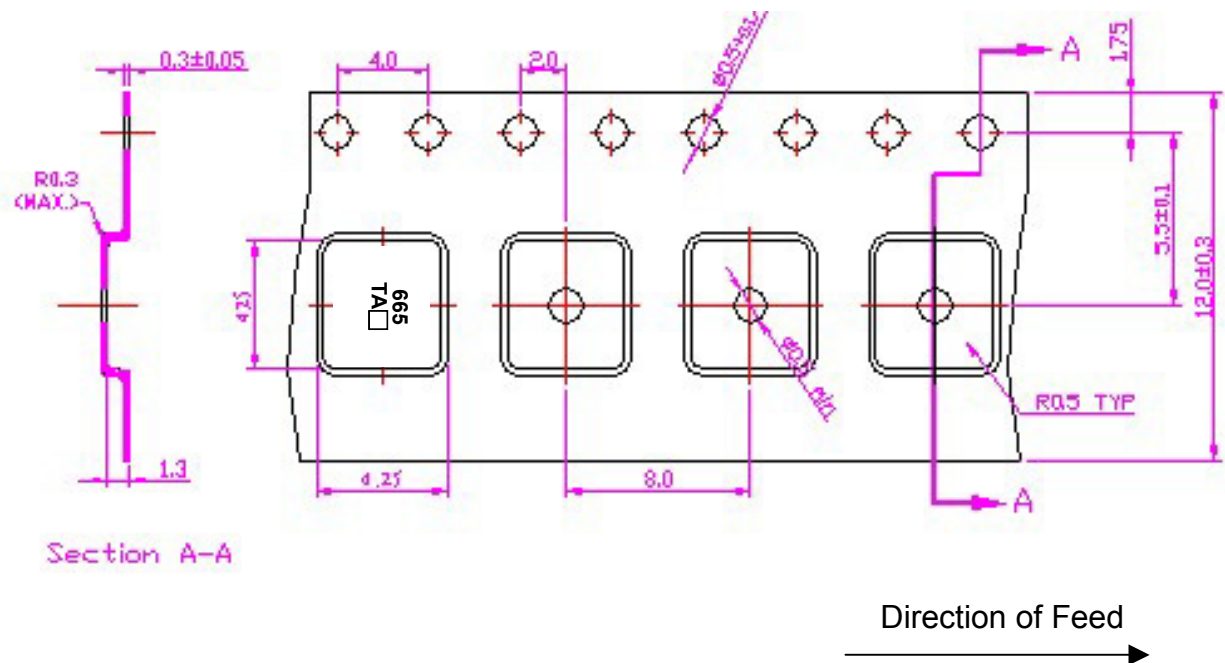


**G. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**



H. REFLOW PROFILE

