



TAI-SAW TECHNOLOGY CO., LTD.

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

Issued Date: Apr, 28, 2009

Product Name: SAW Filter 742.5 MHz SMD 3.8X3.8 mm

TST Parts No.: TA1016A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approval by: _____ Francis Chen 

Date: _____ 4, 28, 2009



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SAW Filter 742.5 MHz

MODEL NO.:TA1016A

REV. NO.:1

A. MAXIMUM RATING:

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

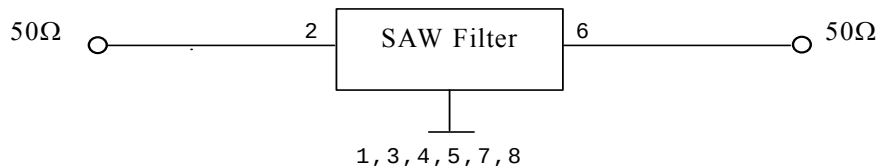
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

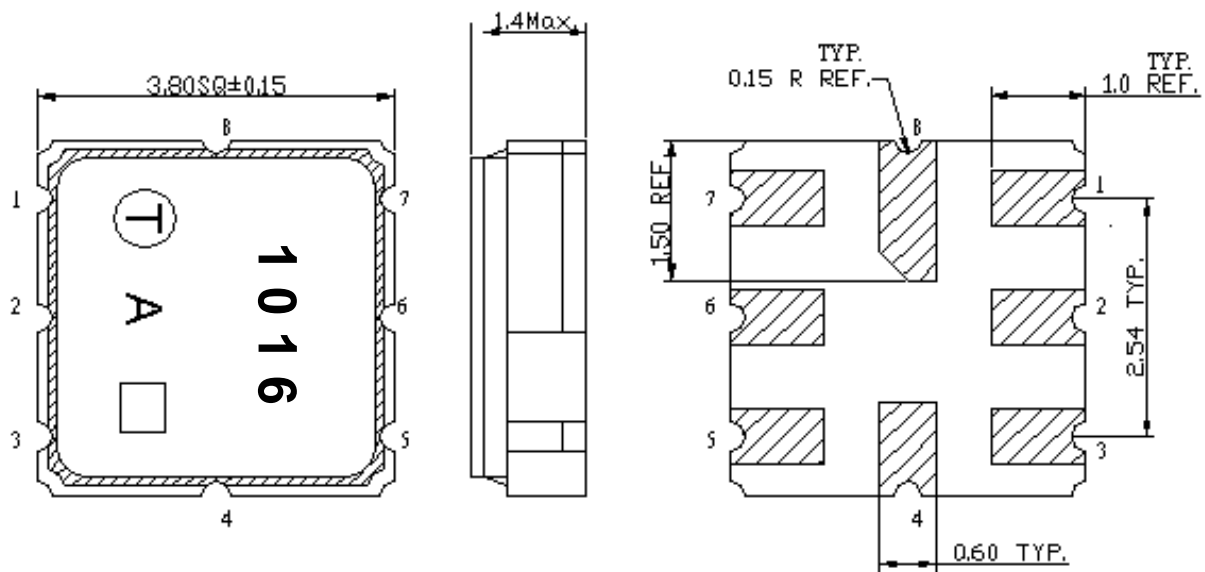
Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	742.5	-	-
Insertion loss (727~758 MHz) IL	dB	-	2.3	4	-
Bandwidth @ -2.5dB	MHz	31	37	-	-
Amplitude Ripple (less than 2.0 dB in any 11MHz portion of the specified band)	dB	-	0.7	2.5	-
Attenuation (Reference level from 0 dB)					
300 ~ 650 MHz	dB	28	55	-	-
698 ~ 716 MHz	dB	10	45	-	-
776 ~ 787 MHz	dB	10	31	-	-
840 ~ 1050 MHz	dB	28	49	-	-
Temperature Coefficient of Frequency	Ppm/°C	-	-36	-	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



D.OUTLINE DRAWING:



2 : Input

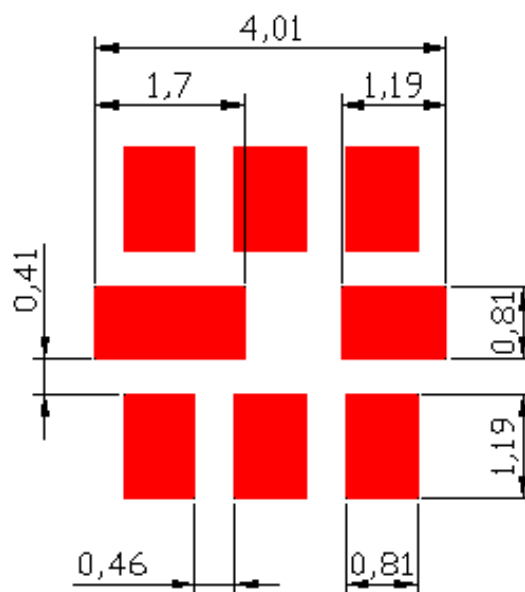
6: Output

1,3,4,5,7,8: Ground

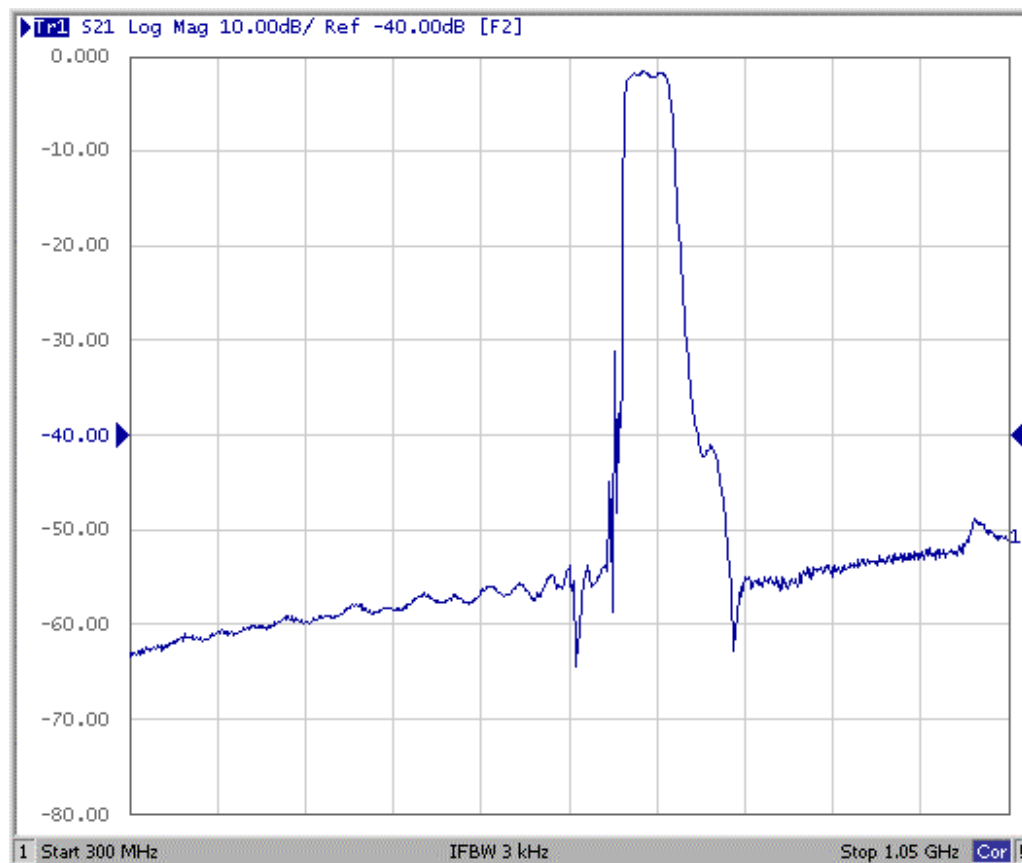
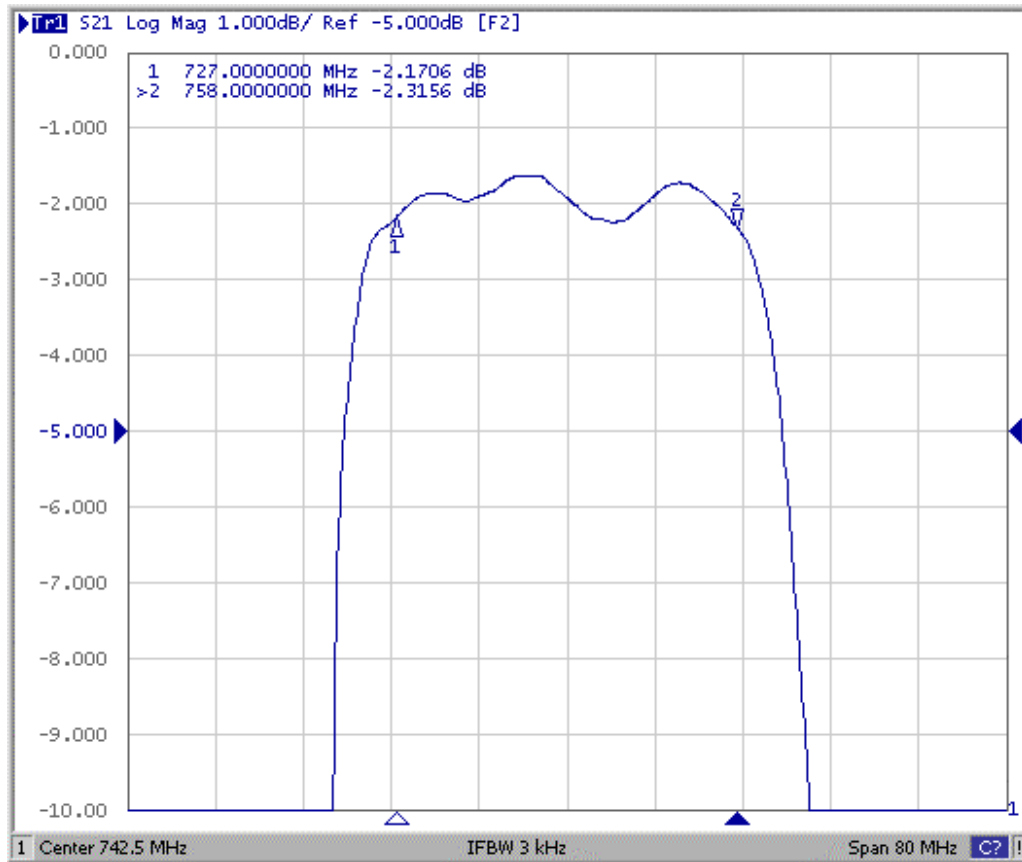
□ : Date Code (W01->A, W02->B,...W52->z)

Unit: mm

E. PCB Footprint:



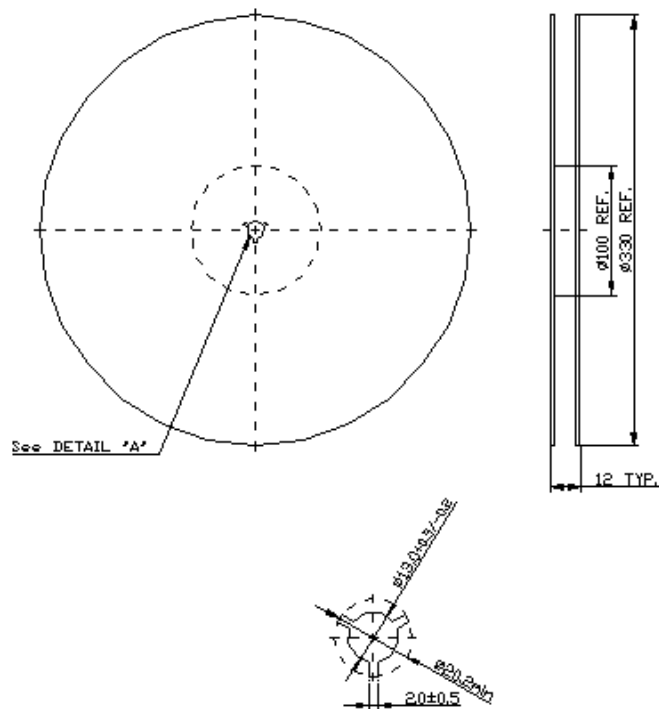
F. Frequency Characteristics :



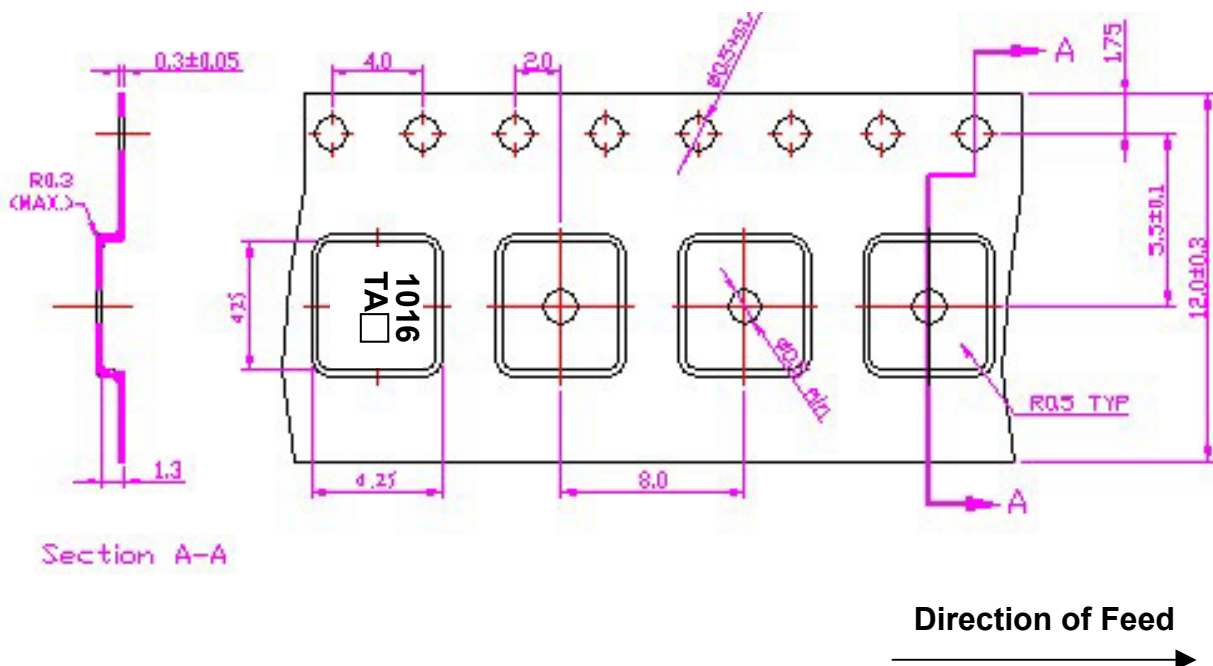
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

