



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 707MHz SMD 3.0x3.0mm

TST Parts No.:TA0941A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Andy Yu *Andy Yu*

Approval by:_____ Francis Chen *Francis Chen*

Date:_____ 2009/02/02



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SAW Filter 707 MHz

MODEL NO.: TA0941A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 12 dB_m
2. DC voltage: 3 V
3. Operating Temperature: -25°C to +70°C
4. Storage Temperature: -30°C to +85°C

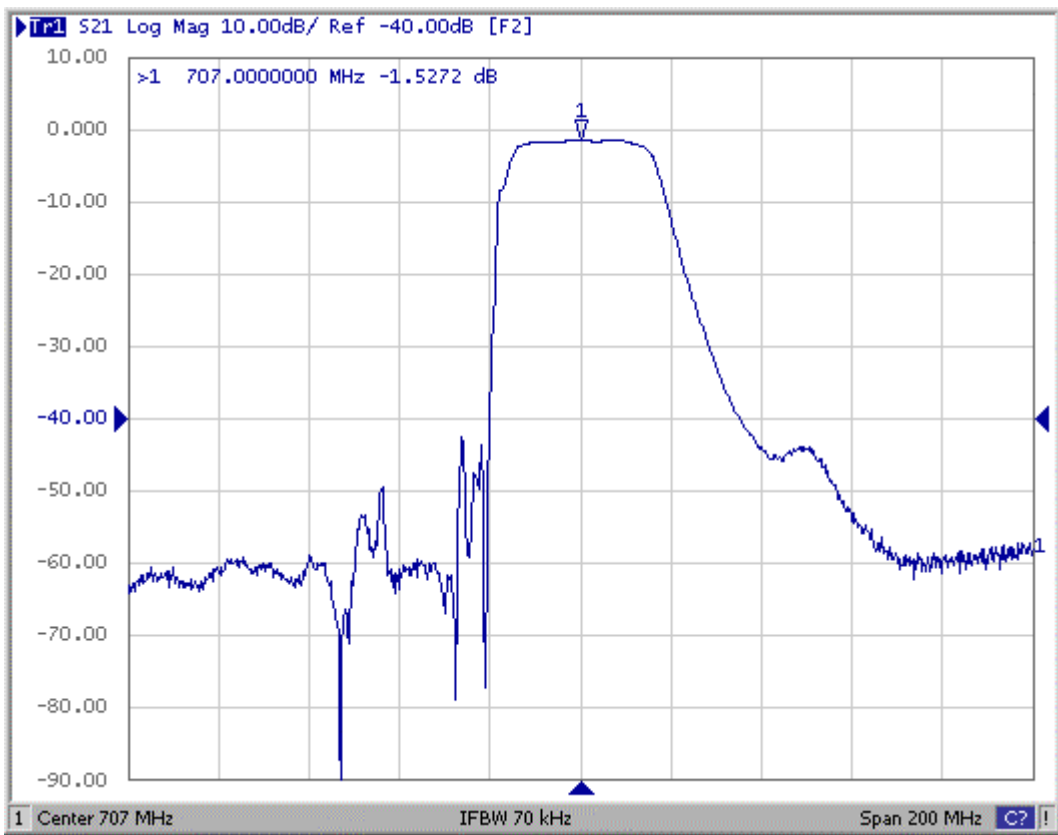
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS: _

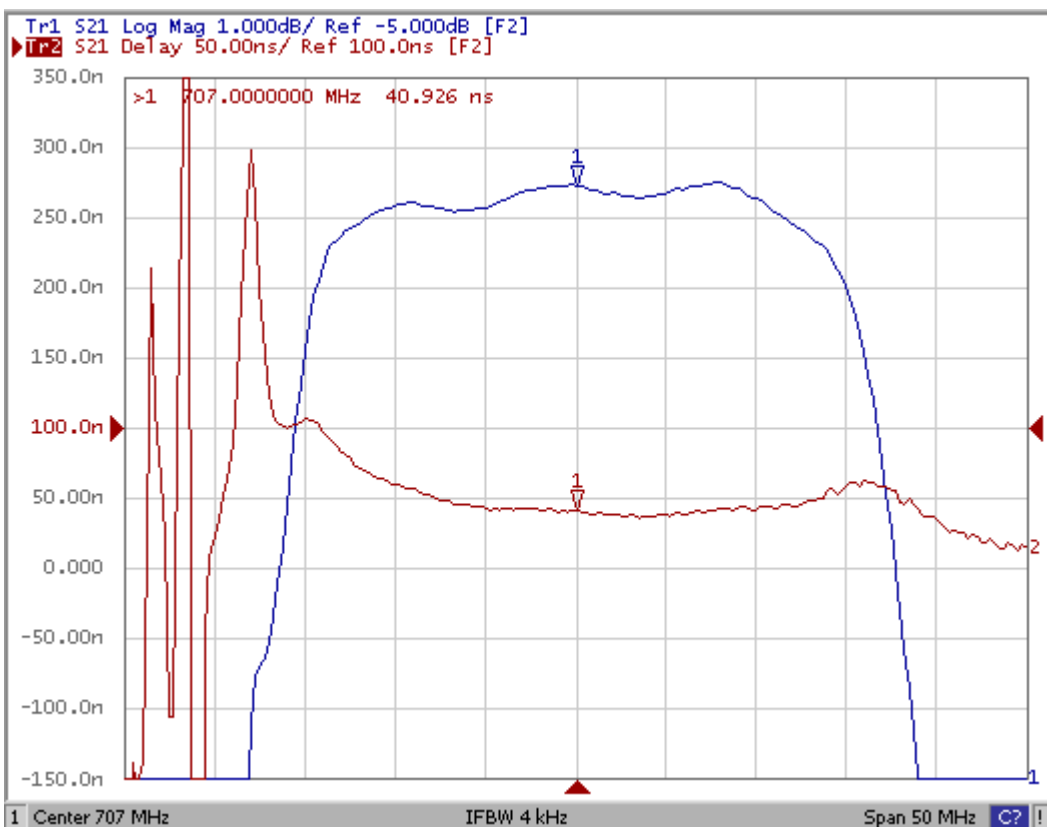
Item	Min.	Typ.	Max.
Center frequency F_c (dB)	-	707	-
Insertion loss within 698 ~ 716 MHz IL (dB)	-	1.9	3.5
Amplitude ripple (p-p) within 698 ~ 716 MHz (dB)	-	0.4	1.5
Attenuation (Reference level from 0 dB)			
728 ~ 750 MHz (dB)	-	14	-
750 ~ 787 MHz (dB)	38	45	-
1396 ~ 1433 MHz (dB)	30	43	-
1710 ~ 2155 MHz (dB)	28	38	-
VSWR within 698 ~ 716 MHz	-	1.5	2.4
Source impedance Z_s (Ω)	-	50	-
Load impedance Z_L (Ω)	-	50	-

C. Frequency Characteristics :

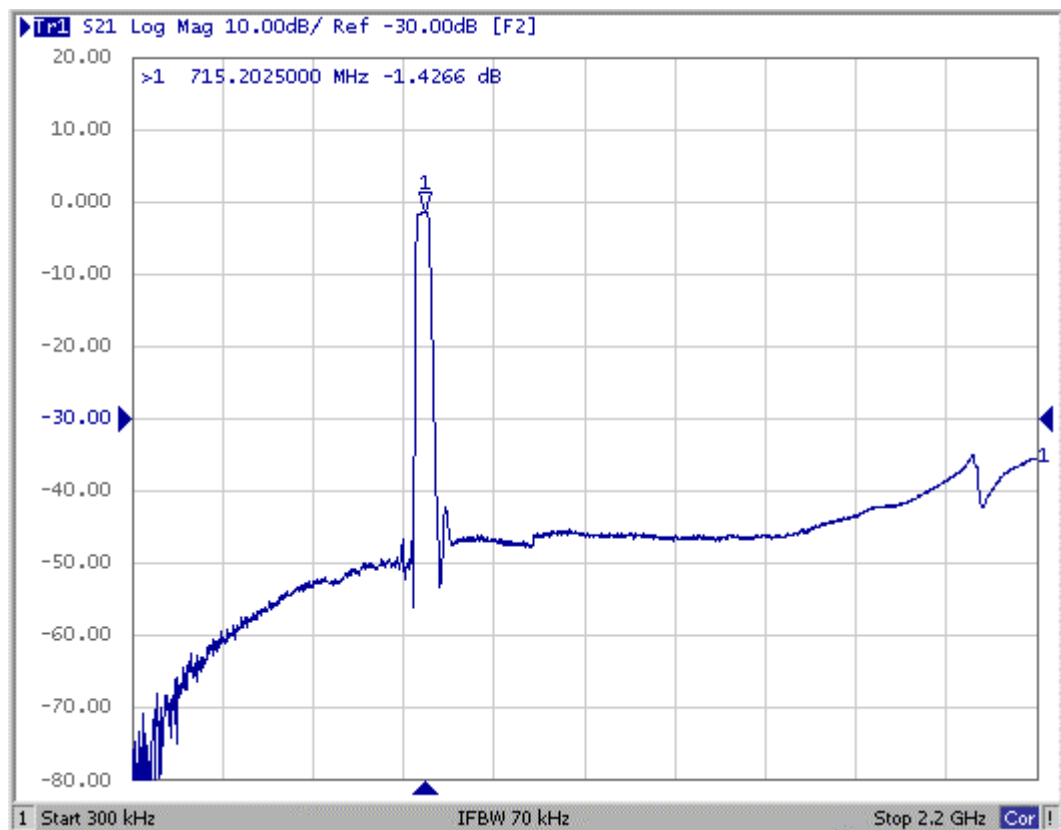
(1) wide band Response:(span 200MHz)



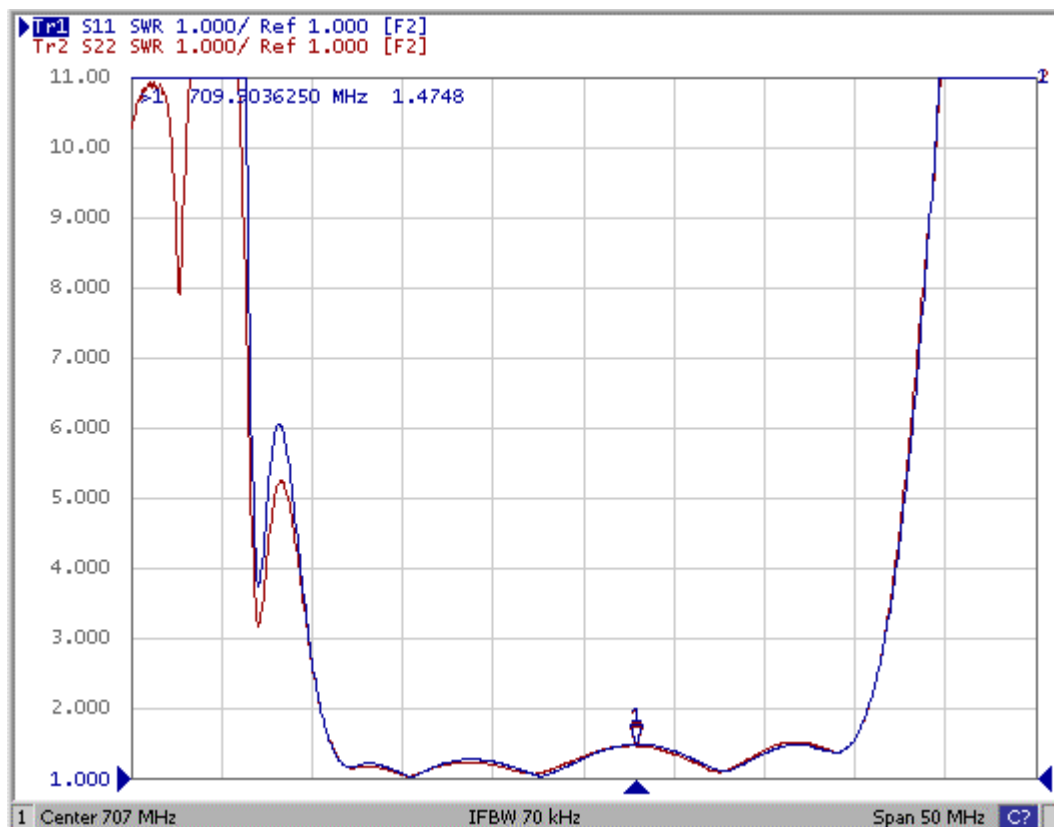
(2) Pass band Response:(300k ~ 3GHz)



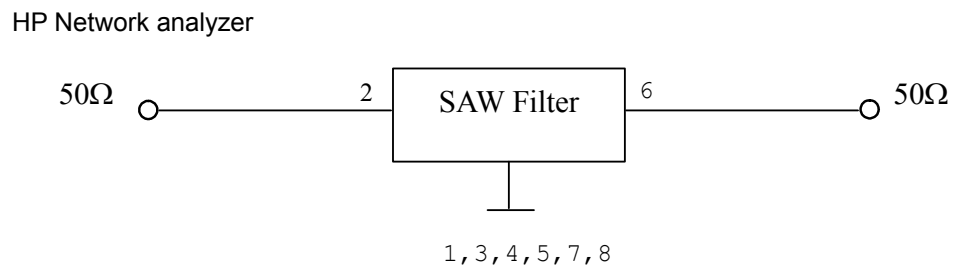
(3) wide band Response:(300k ~ 2.2GHz)



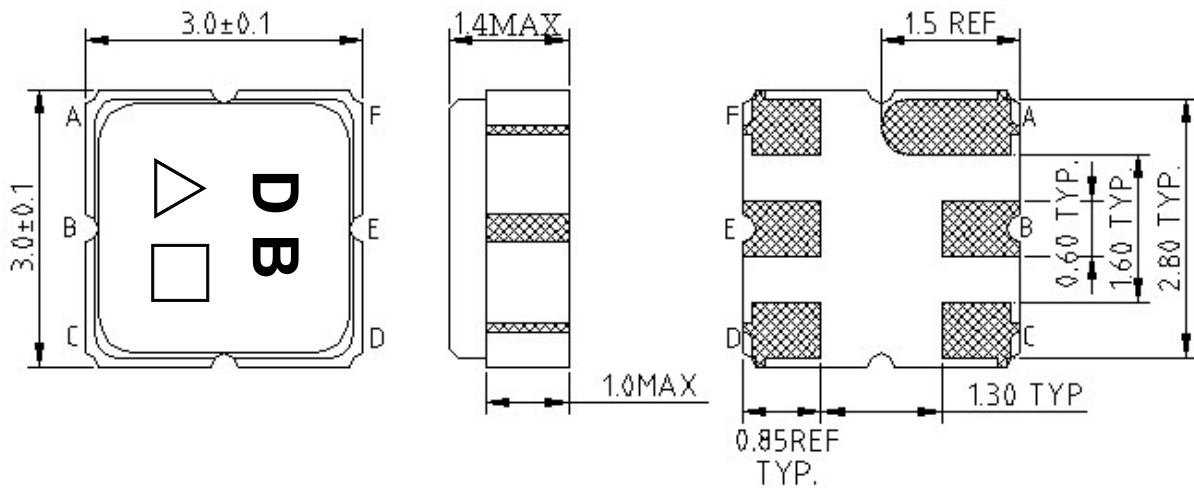
(4) S11 and S22 VSWR Variation: (span 60MHz)



D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



#B: Input

#E: Output

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

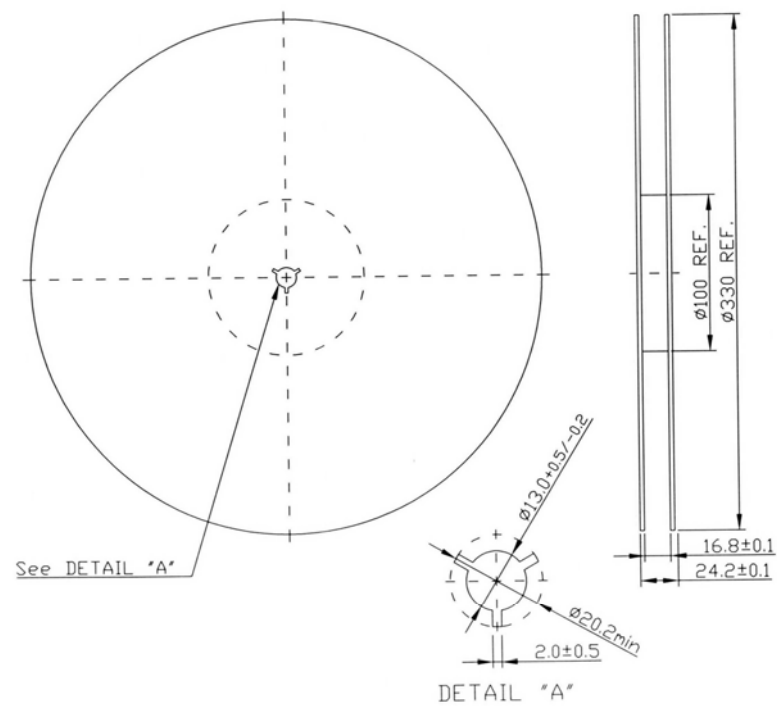
△: Year code (ex 2008→8)

□: Date code

Unit: mm

F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

