



TAI-SAW TECHNOLOGY CO., LTD.

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

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Product Specifications Approval Sheet

Product Description: SAW Filter 2235 MHz SMD 3.0X3.0 mm (BW=70MHz)

TST Part No.: TA1187A

Customer Part No.: _____

Customer signature required

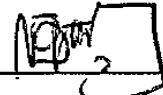
Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 4, 16, 2010

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 2235 MHz

MODEL NO.:TA1187A

REV. NO.:1

A. MAXIMUM RATING:

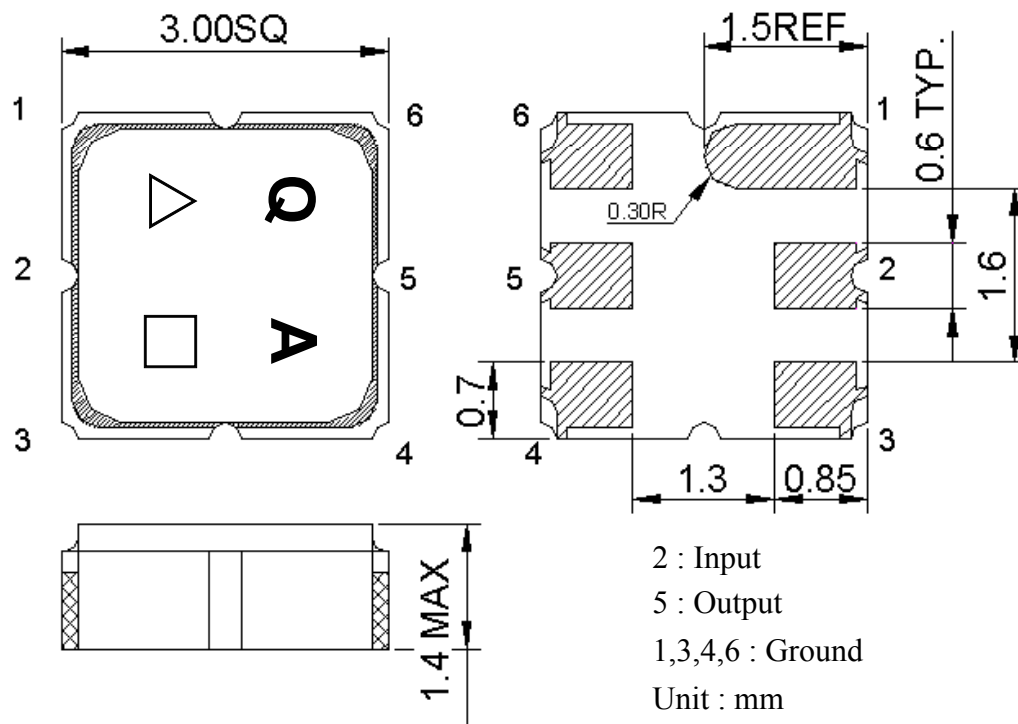
1. Input Power Level: 10 dBm (In band), 10 dBm (Out of band)
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency F_c	MHz	-	2235	-	-
Insertion Loss (2200~2270 MHz) IL	dB	-	2	3.2	-
Amplitude Ripple (Variation over 3MHz)	dB	-	0.5	1	-
Group Delay Ripple (Variation over 3MHz)	ns		5	12	
VSWR (2200~2270 MHz)		-	2	2.4	-
Attenuation (Reference level from 0 dB)					
D.C ~ 2100 MHz	dB	28	30	-	-
2100 ~ 2135 MHz	dB	30	40	-	-
2135 ~ 2170 MHz	dB	4	14	-	-
2300 ~ 2335 MHz	dB	4	14	-	-
2335 ~ 3500 MHz	dB	30	35	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

C.OUTLINE DRAWING:

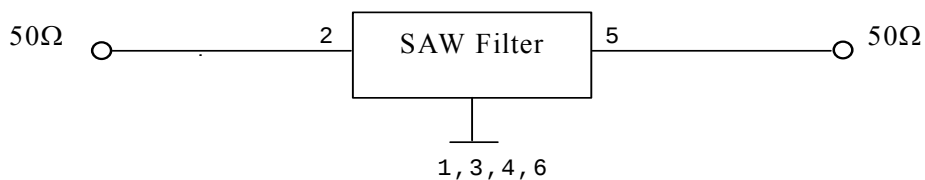


△ : Year Code (2009->9, 2010->0,..., 2018->8)

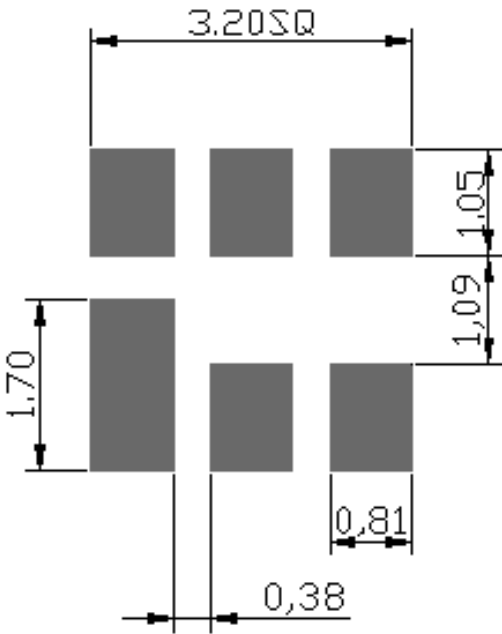
□ : Date Code (W01->A,W02->B,...W27->a,...,W52->z)

D. MEASUREMENT CIRCUIT:

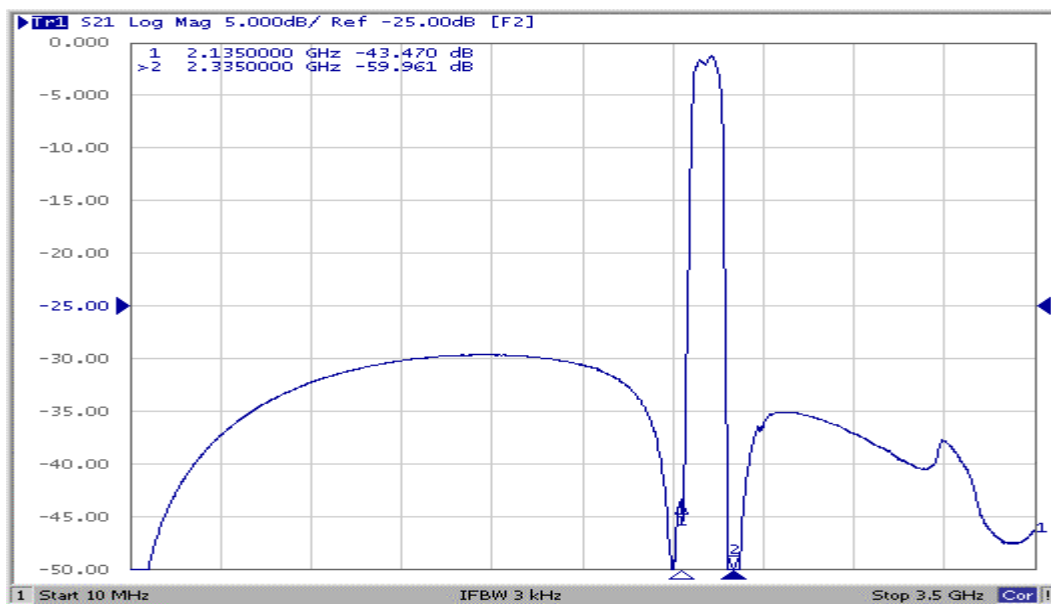
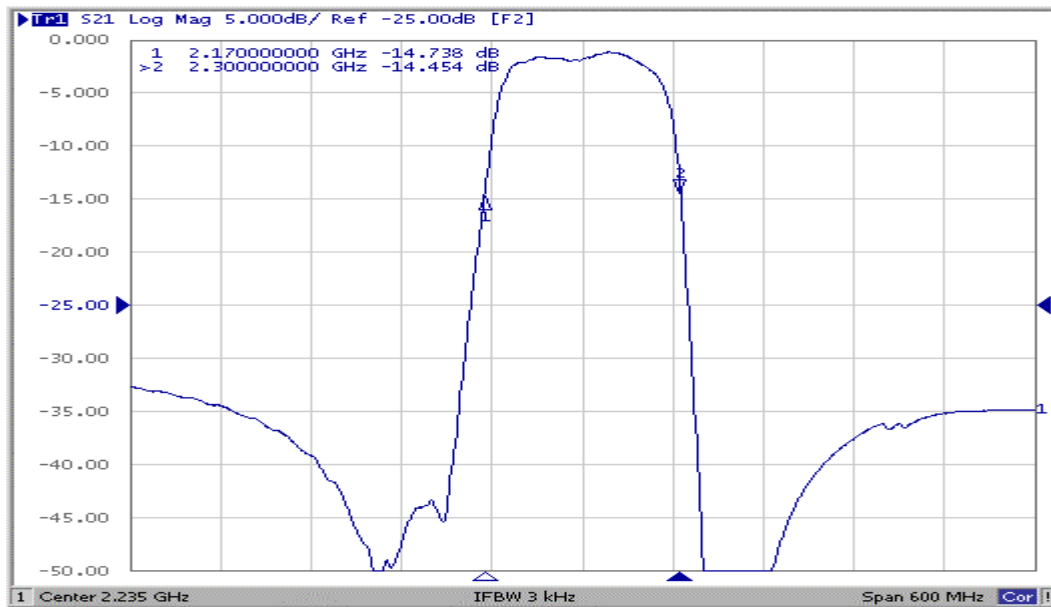
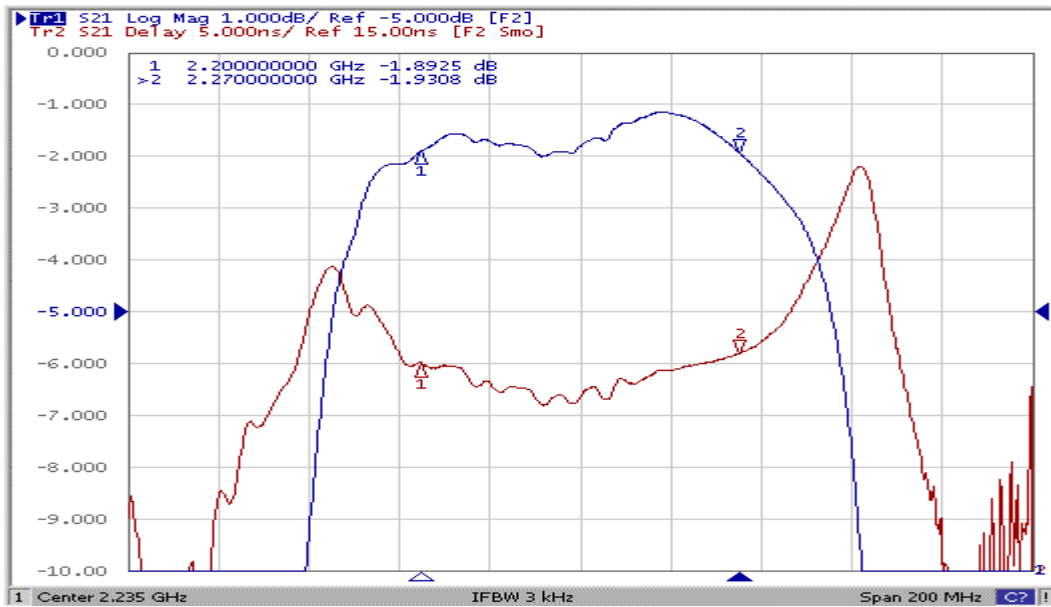
HP Network analyzer



E. PCB Footprint:

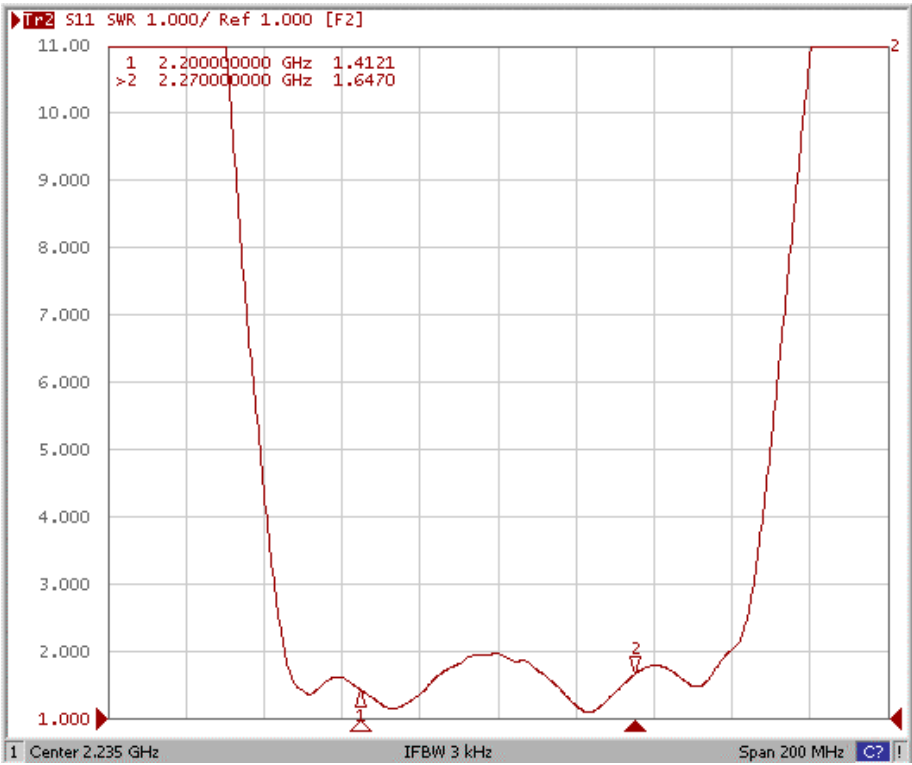


F. Frequency Characteristics :

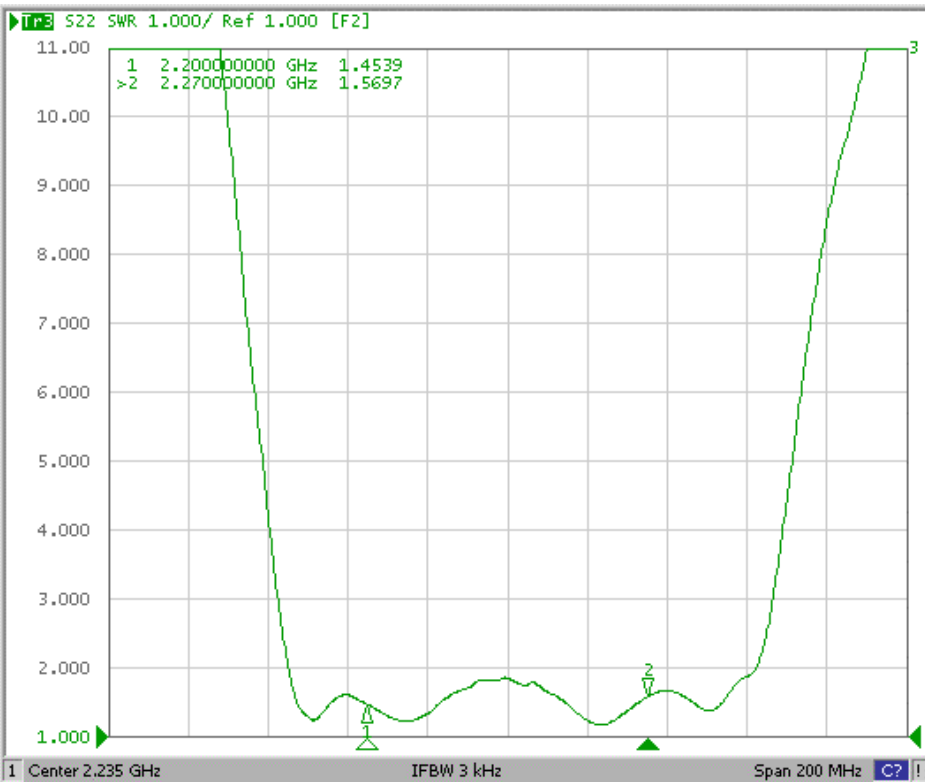


Reflection Functions :

S11



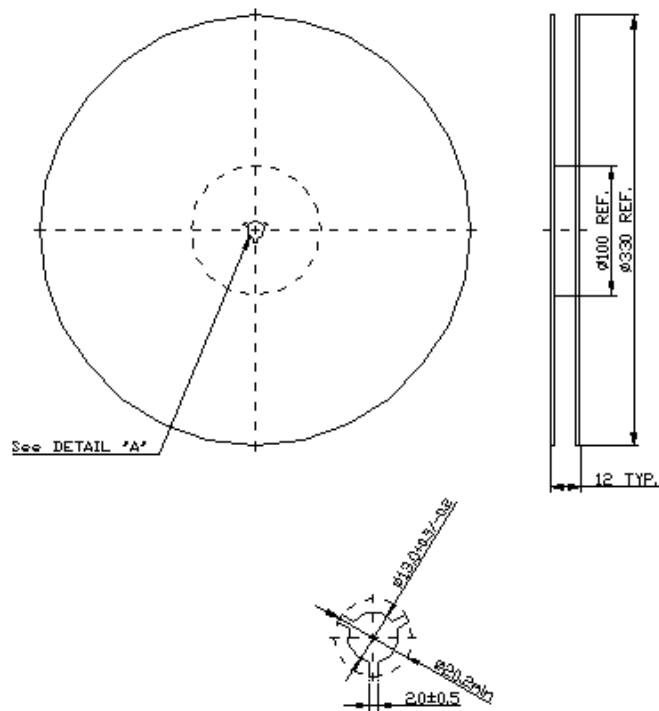
S22



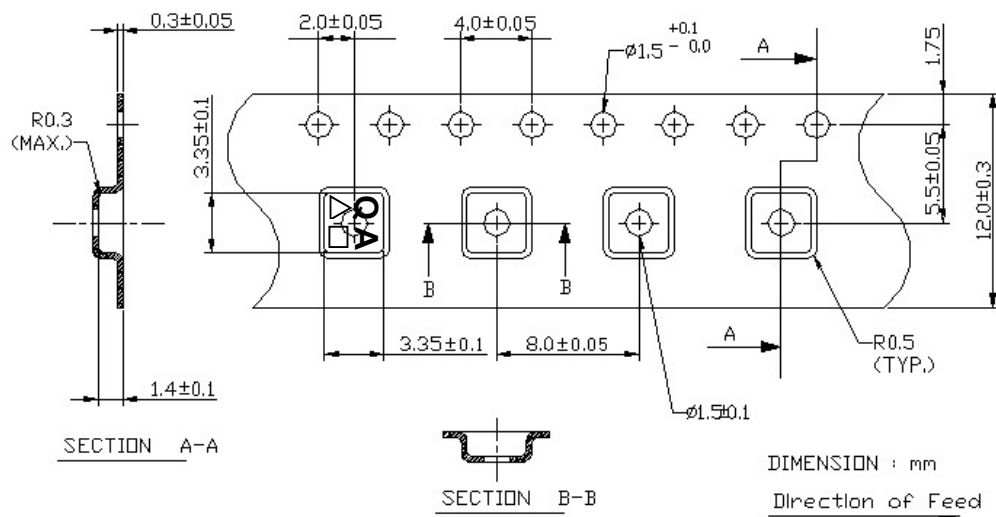
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

