TAI-SAW TECHNOLOGY CO., LTD.
No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Description: SAW Filter 1250 MHz SMD 3.0X3.0 mm

TST Part No.: TA0824A

Customer Part No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau _____

Approved by:_____ Francis Chen _____

Date:_____ 7, 2, 2009 _____

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 1250 MHz

MODEL NO.:TA0824A REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

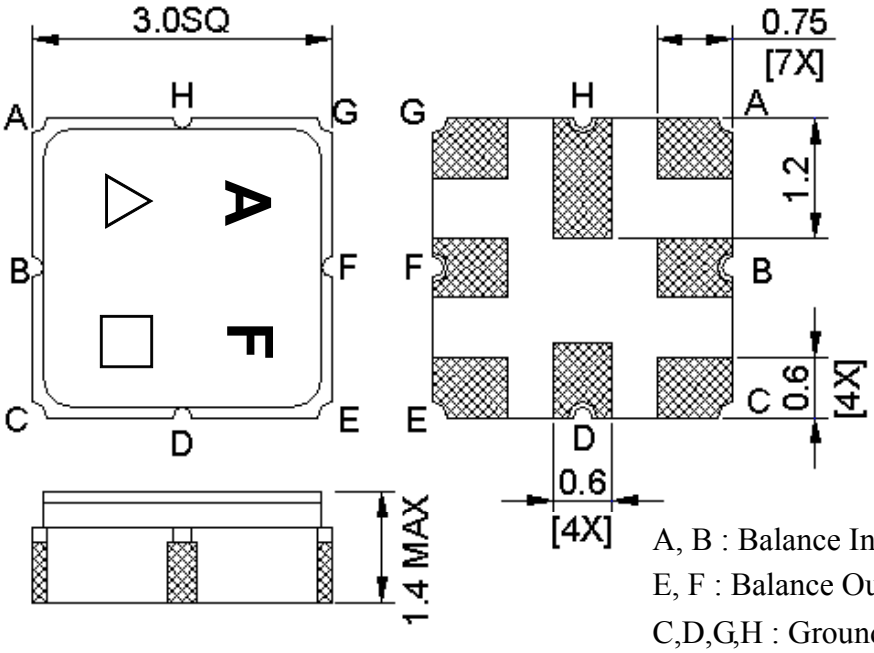
B. ELECTRICAL CHARACTERISTICS:

Terminating source impedance (differential) : Zs = 180 Ω and matching network

Terminating load impedance (differential) : Z_L = 180 Ω and matching network

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency **Fc**	MHz	-	1250	-	-
Bandwidth at –3 dB	MHz	96	114	-	-
Insertion Loss in 1202~1298 MHz	dB	-	5.3	7	-
Amplitude ripple (1202 MHz ~ 1298 MHz)	dB	-	1.7	3	-
Amplitude ripple (1202 MHz ~ 1298 MHz) in any 6 MHz channel	dB	-	0.6	2	-
Group Delay ripple (1202 MHz ~ 1298 MHz)	ns	-	8	60	-
Group Delay ripple (1202 MHz ~ 1298 MHz) in any 6 MHz channel	ns	-	2.2	18	-
I/O Return Loss (1202 MHz ~ 1298 MHz)	dB	9	12	-	-
Attenuation (Reference level from 0 dB)					
500 ~ 1050 MHz	dB	45	52	-	-
1050 ~ 1150 MHz	dB	30	49	-	-
1350 ~ 1440 MHz	dB	12	25	-	-
1440 ~ 2000 MHz	dB	45	50	-	-

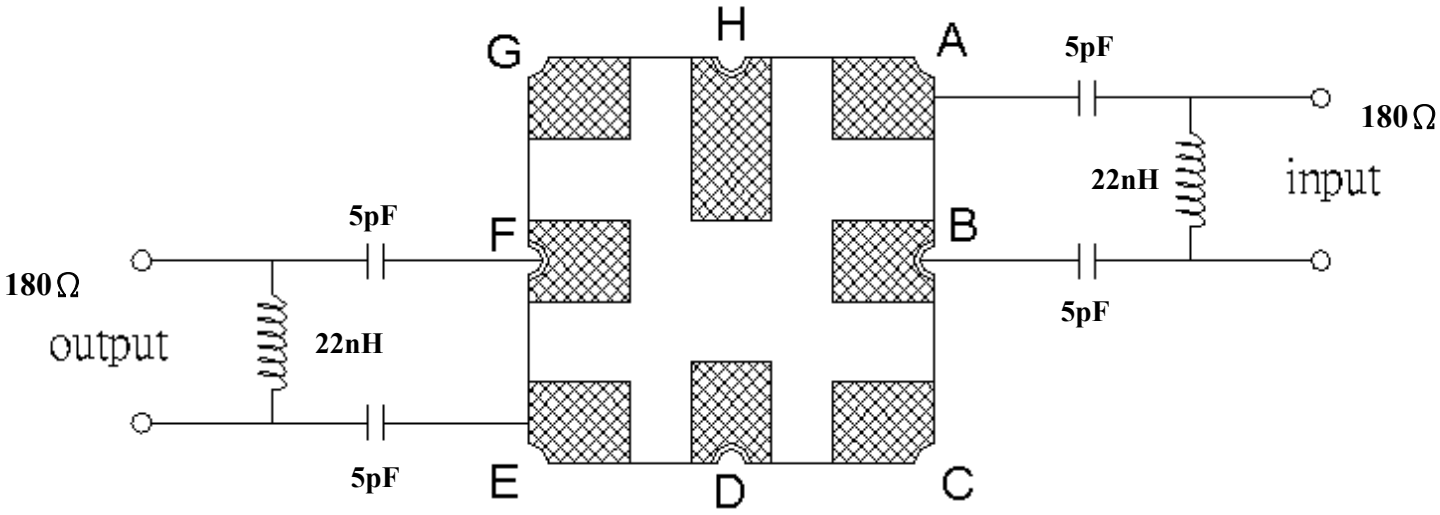
C.OUTLINE DRAWING:



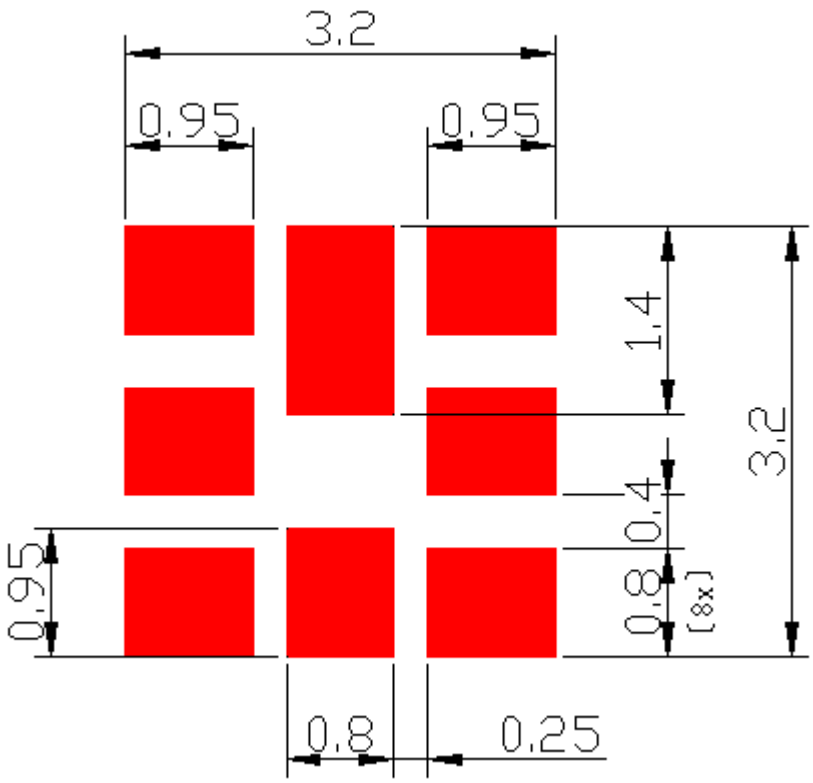
A, B : Balance Input
E, F : Balance Output
C,D,G,H : Ground
Unit : mm

△ : Year Code (2006->6, …, 2009->9)
□ : Date Code (W01->A,…W26->Z,…W52->z)

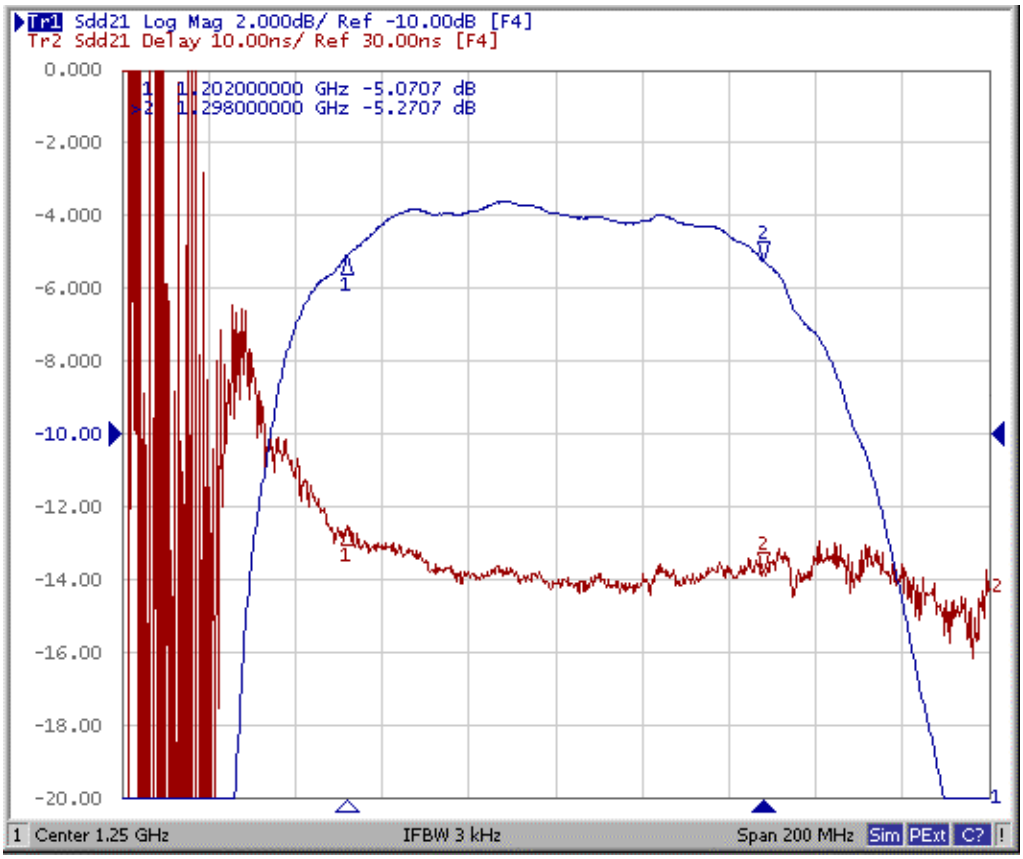
D. MEASUREMENT CIRCUIT:

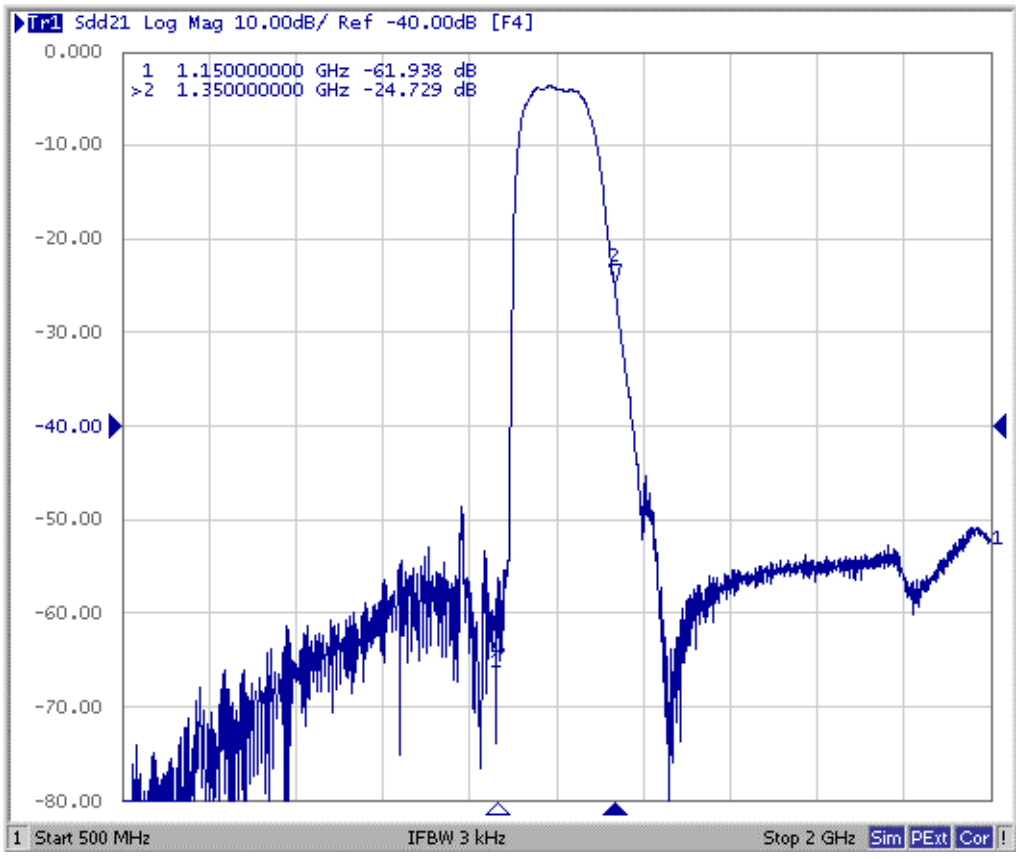


E. PCB Footprint:



F. Frequency Characteristics :





Reflection Functions :

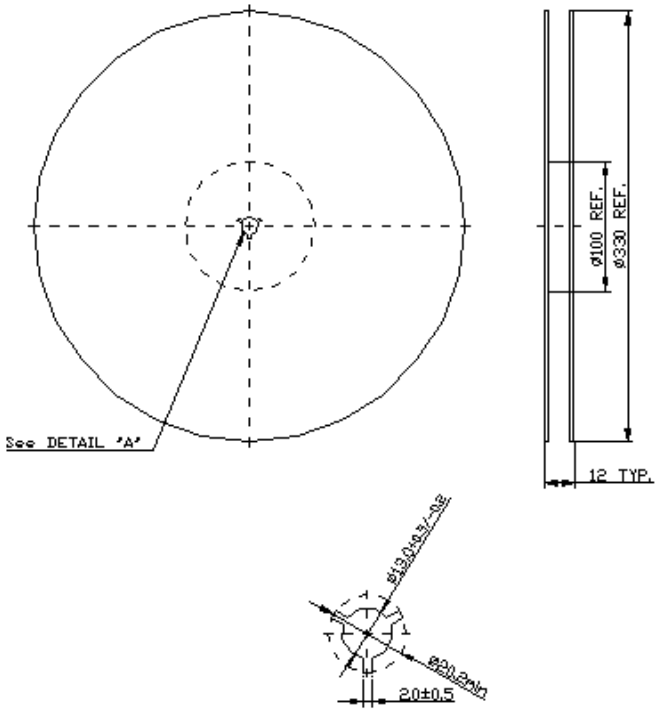
S11

S22

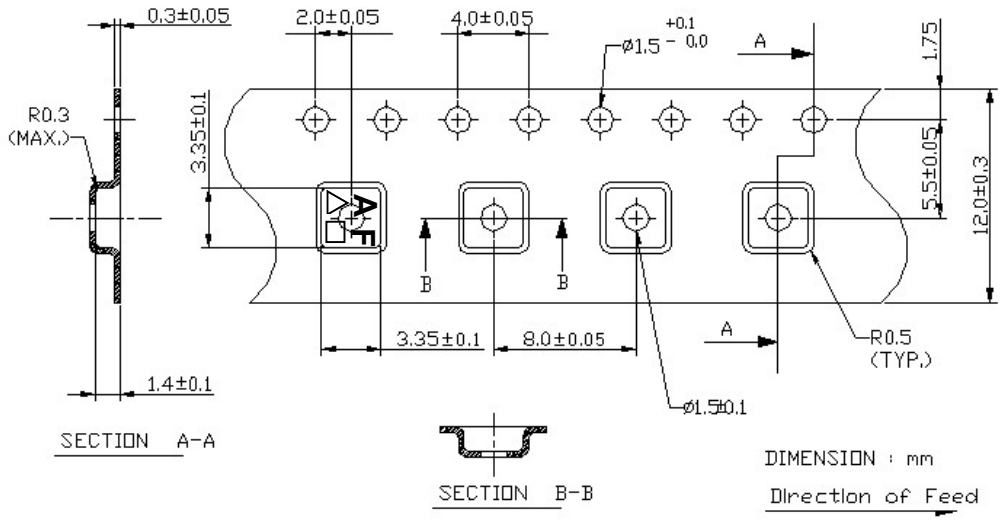
G. PACKING:

1. REEL DIMENSION

(Reel Count : 7”=1000 ; 13”=3000)



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :