



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 2187 MHz SMD 3.0x3.0 mm

TST Part No.: TA1290A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 張閔智

Approved by: _____ Francis Chen 陳文輝

Date: _____ 2011/01/05

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 2187 MHz

MODEL NO.:TA1290A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 15 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +105°C

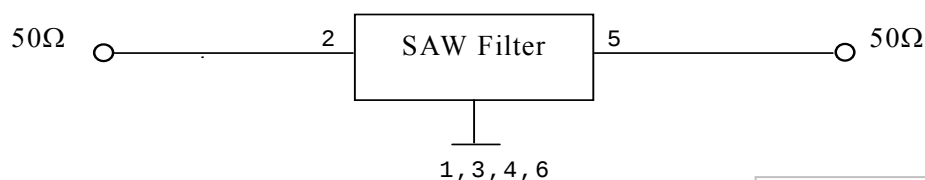
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency F_c	MHz	-	2187	-
Insertion loss (2174~2200 MHz) IL	dB	-	3.7	5
Insertion loss at 2170 MHz (at 25°C) IL	dB	-	3.2	-
Amplitude ripple (2174~2200 MHz)	dB	-	1.7	2.3
VSWR (2174~2200 MHz)	-	-	1.7	2
Attenuation (Reference level from 0 dB)				
824 ~ 849 MHz	dB	35	42	-
880 ~ 960 MHz	dB	35	41	-
1070 ~ 1785 MHz	dB	40	44	-
1805 ~ 1920 MHz	dB	40	46	-
1920 ~ 2010 MHz	dB	40	50	-
2095 ~ 2125 MHz	dB	21	33	-
2140 MHz (at 25°C)	dB	-	20	-
2300 ~ 2400 MHz	dB	15	51	-
2400 ~ 2500 MHz	dB	20	50	-
Temperature coefficient of frequency	ppm/k	-	-36	-

C. MEASUREMENT CIRCUIT:

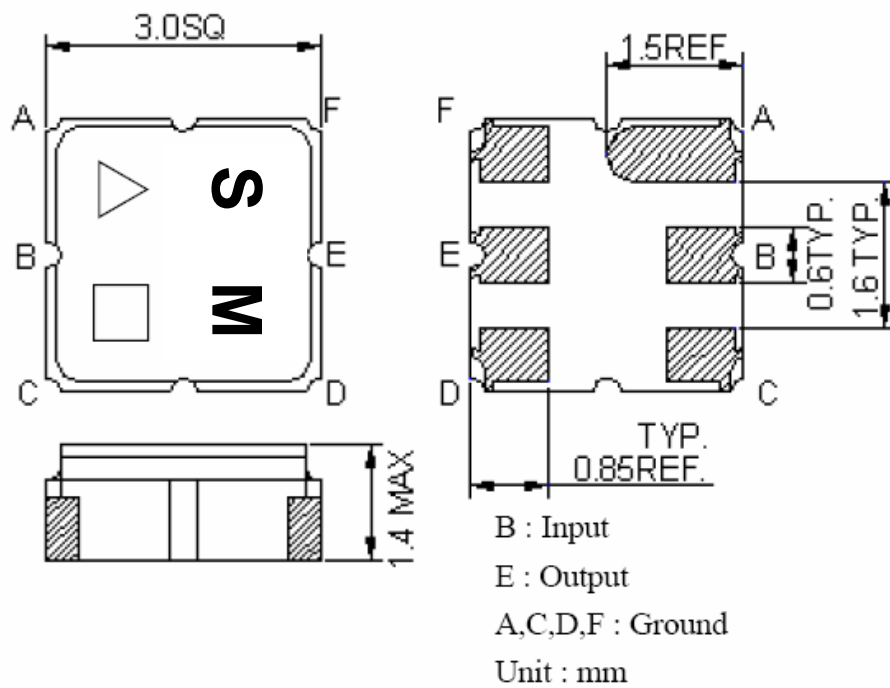
HP Network analyzer



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TST DCC
Release document

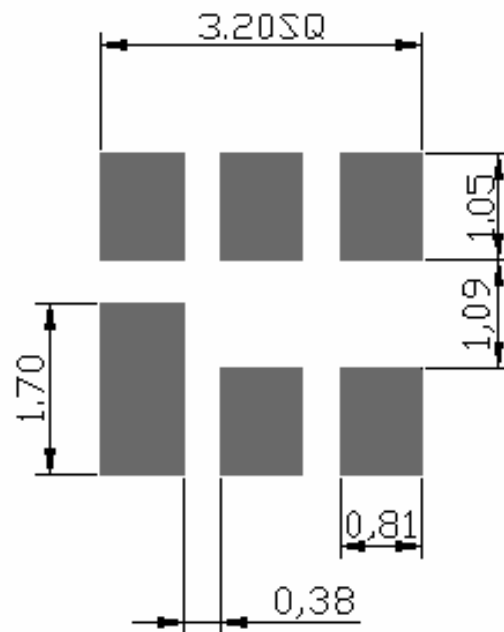
D. OUTLINE DRAWING:



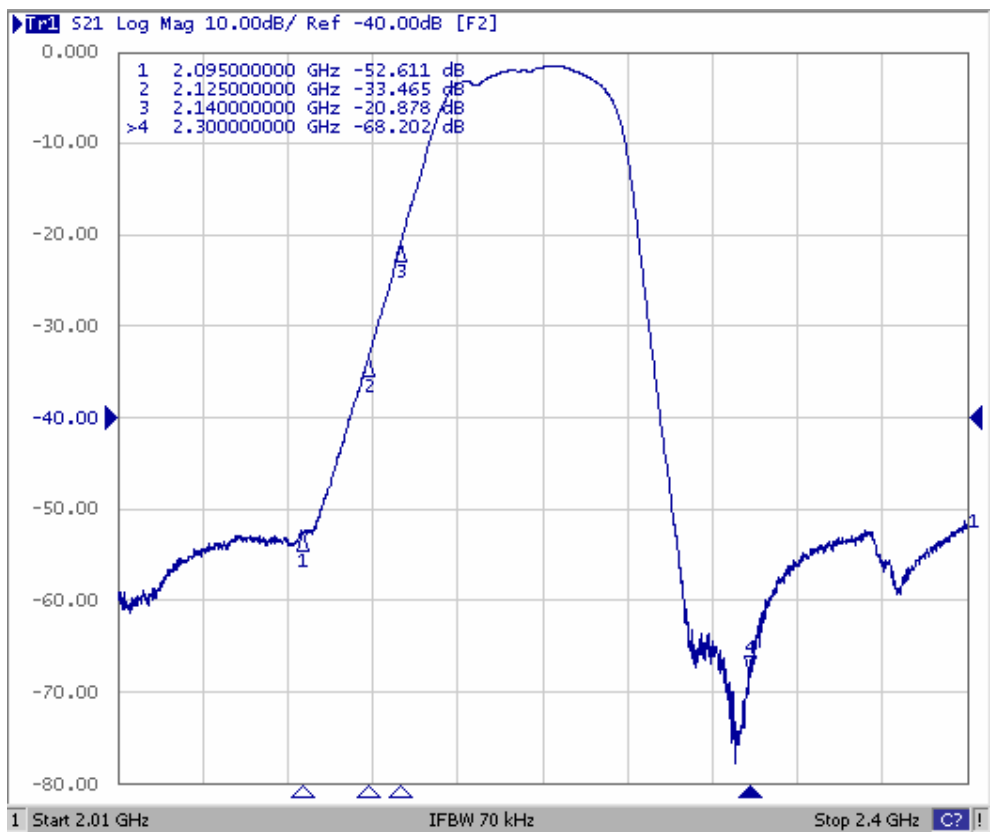
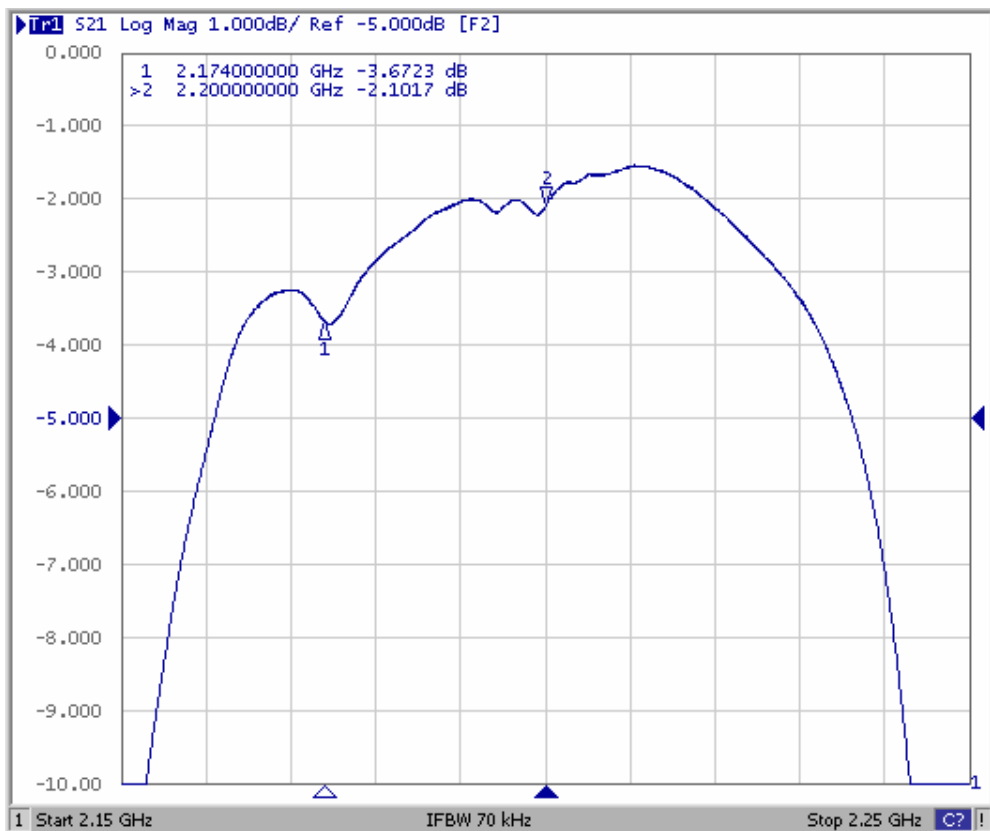
△ : Year Code (2006->6, ..., 2009->9)

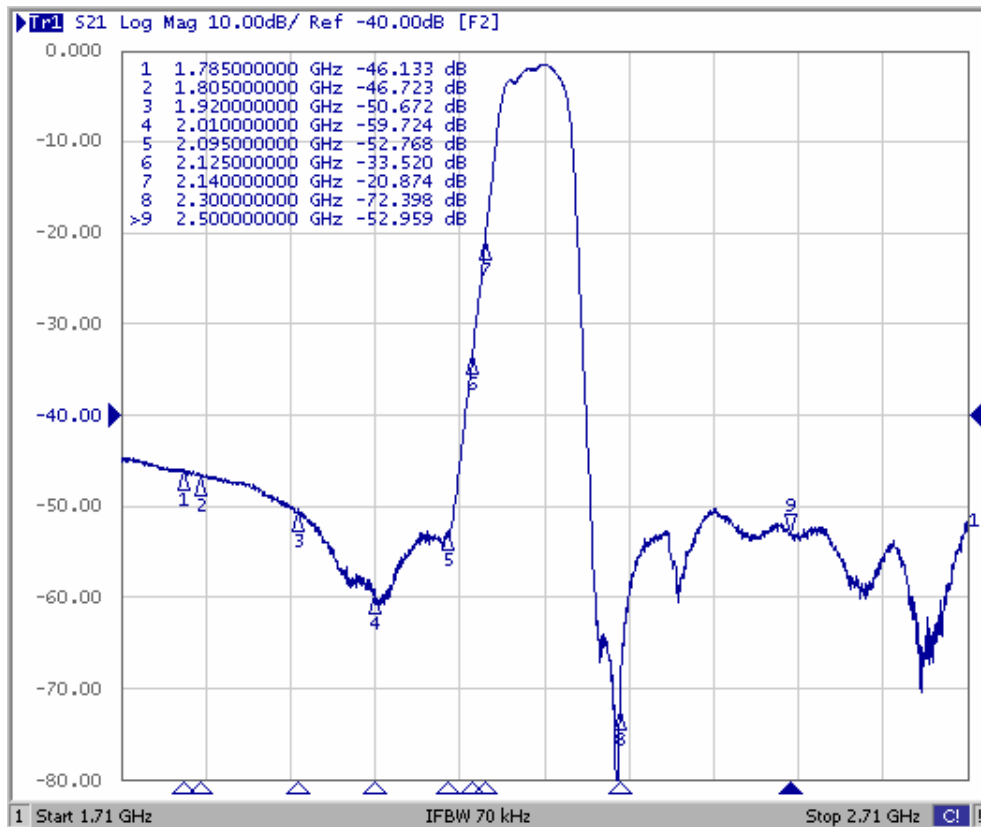
□ : Date Code (W01->A, W02->B, ..., W27->a, ..., W52->z)

E. PCB Footprint:



F. Frequency Characteristics:

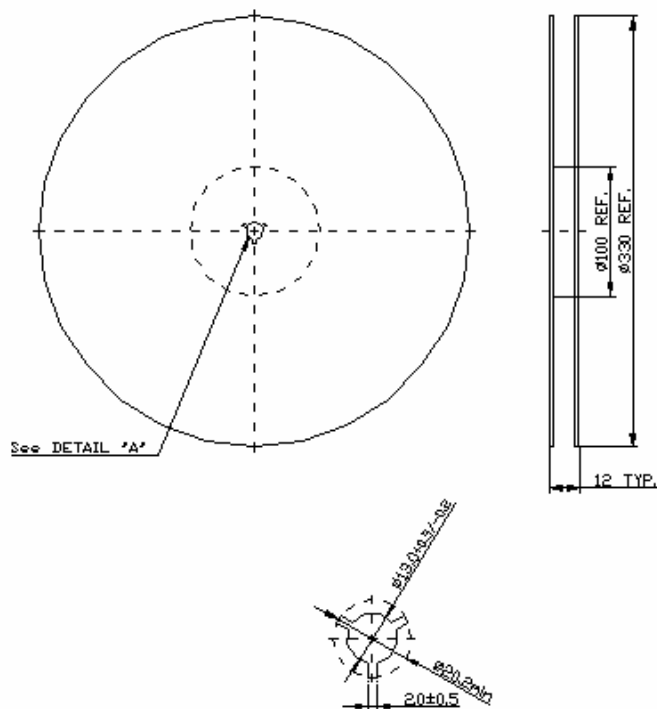




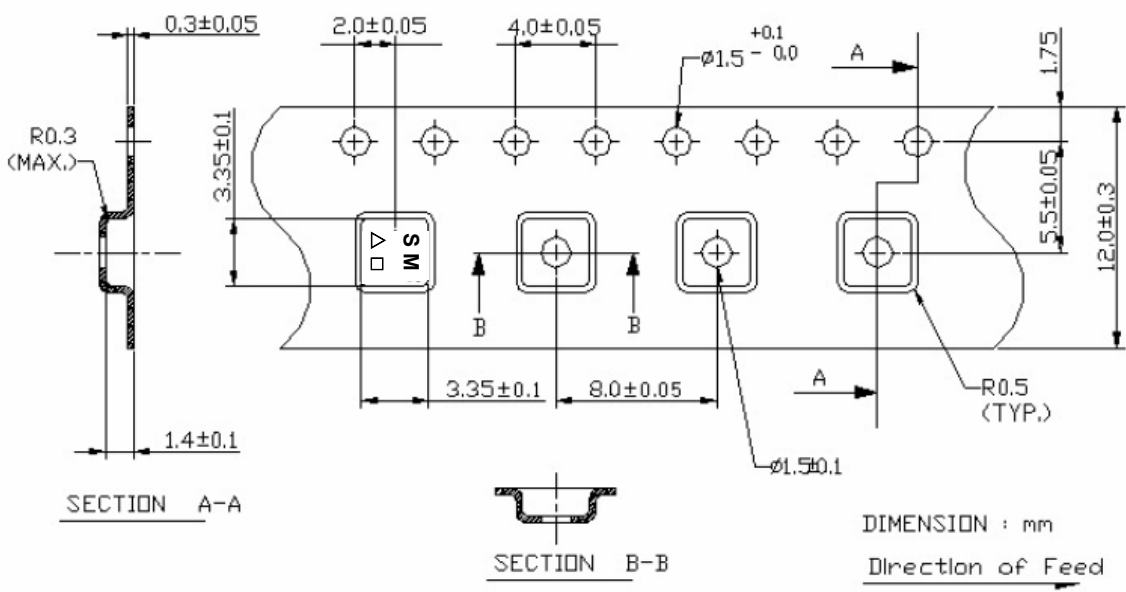
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE:

