



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 Specification Approval Sheet

Product Name: SAW Filter 1575 MHz SMD 3.0X3.0 mm

TST Parts No.: TA1575BBB

Customer Parts No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Anne Chen 陳秀宜

Approval by: _____ Francis Chen 

Date: _____ 2011/1/20

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 1575MHz

MODEL NO.:TA1575BBB

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

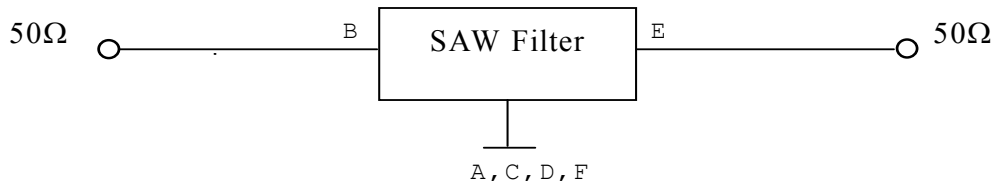
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

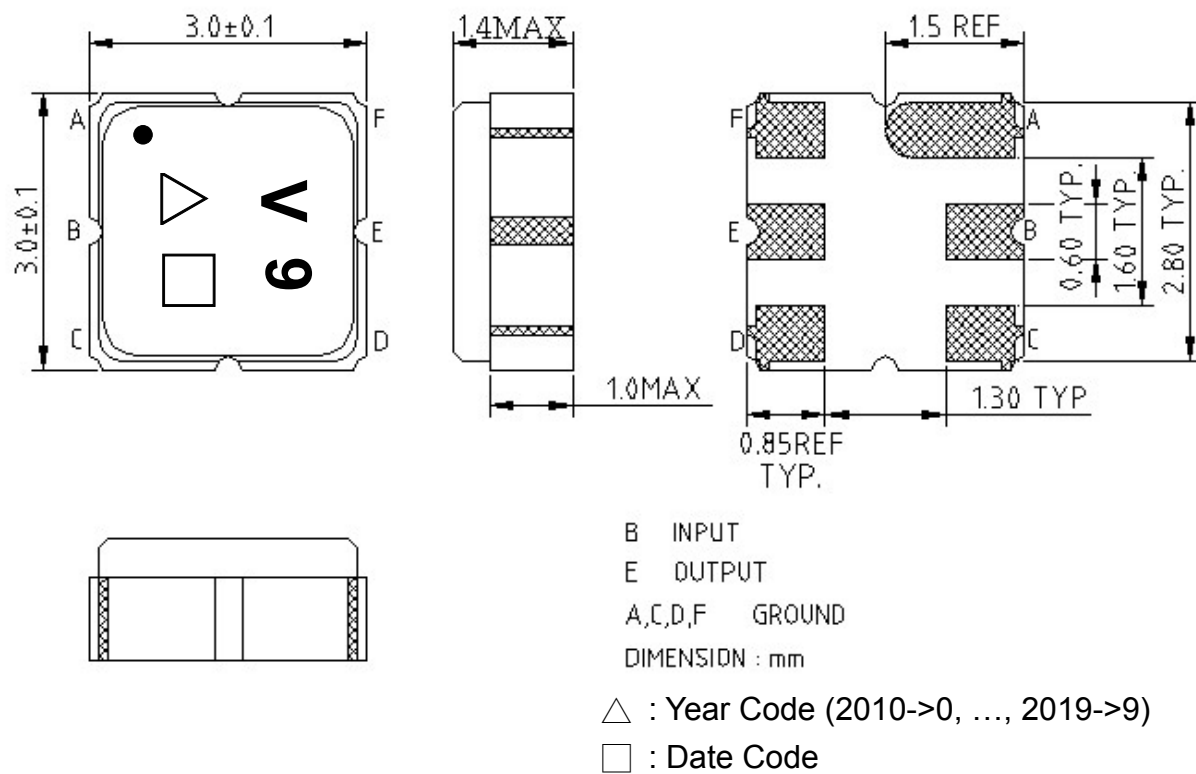
Item	Unit	Min.	Type.	Max.	Note
Center Frequency Fc	MHz	-	1575	-	-
Insertion Loss (1565 ~ 1585 MHz) IL	dB	-	1.45	2.8	-
Amplitude Ripple (1565 ~ 1585 MHz)	dB	-	0.3	2	-
VSWR (1565 ~ 1585 MHz)		-	1.2	2	-
Relative Attenuation (relative to 0 dB)					
D.C. ~ 600 MHz	dB	30	36.7	-	-
600 ~ 1500 MHz	dB	27	34	-	-
1500 ~ 1525 MHz	dB	20	40	-	-
1625 ~ 1675 MHz	dB	20	42	-	-
1675 ~ 3000 MHz	dB	30	36.8	-	-

C. MEASUREMENT CIRCUIT:

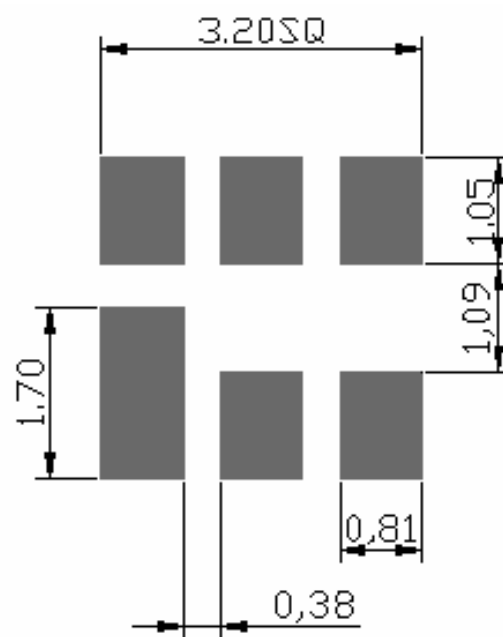
HP Network analyzer



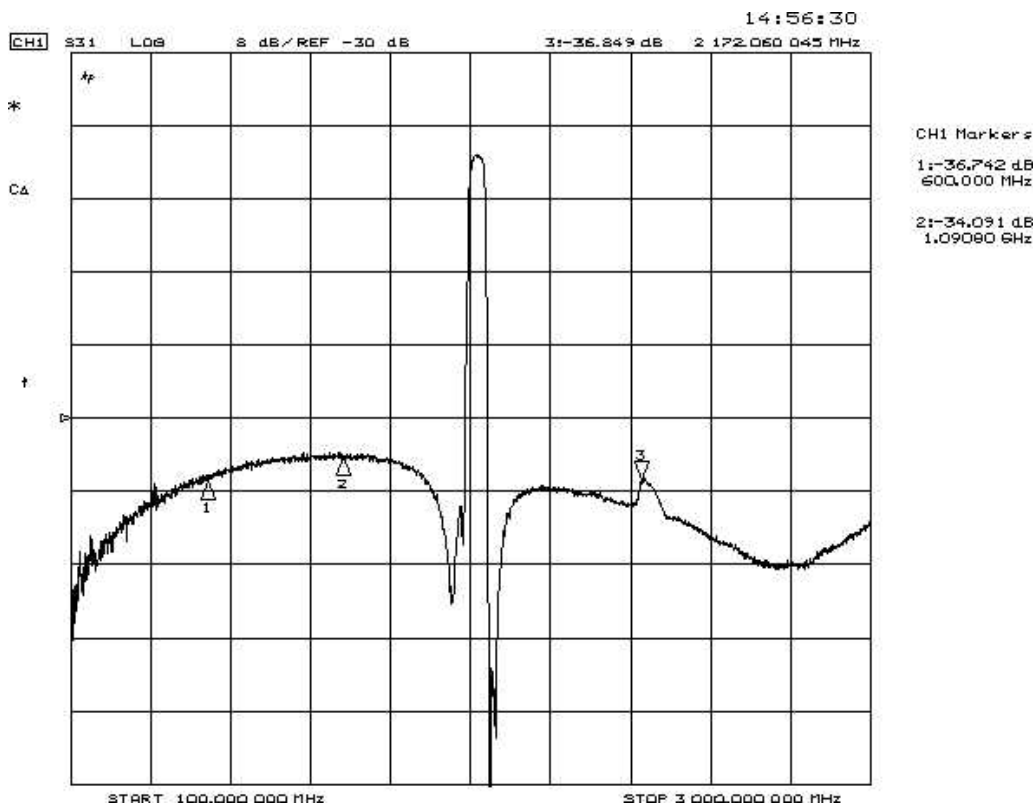
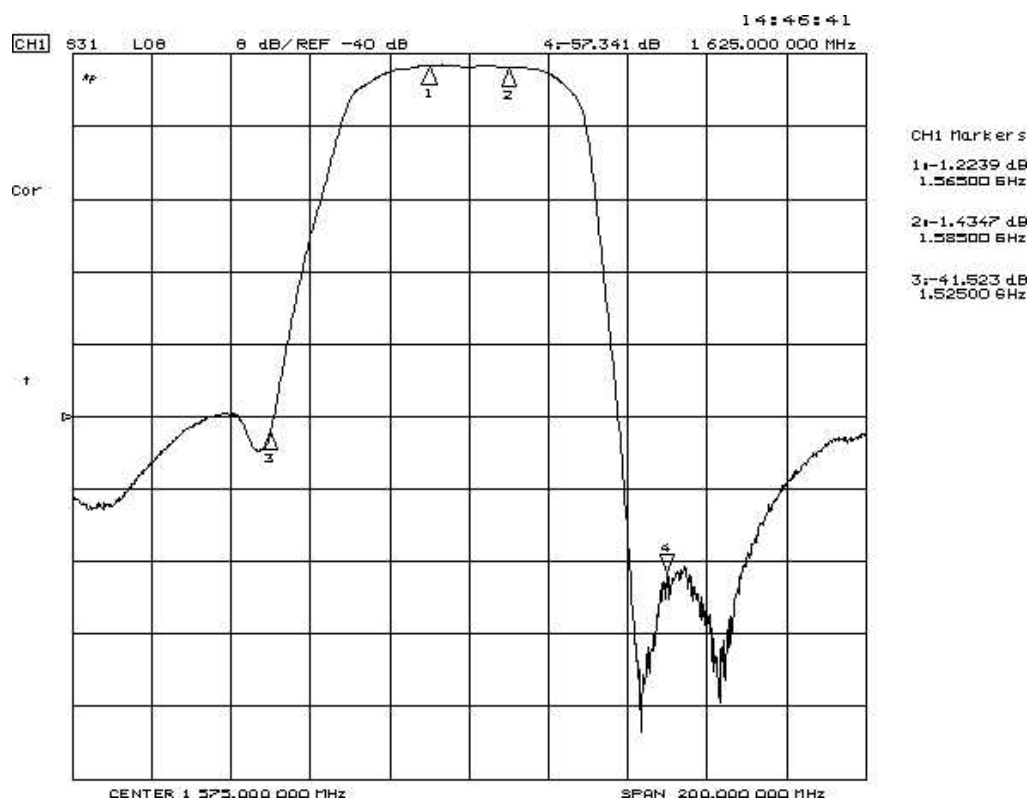
D.OUTLINE DRAWING:



E. PCB Footprint:

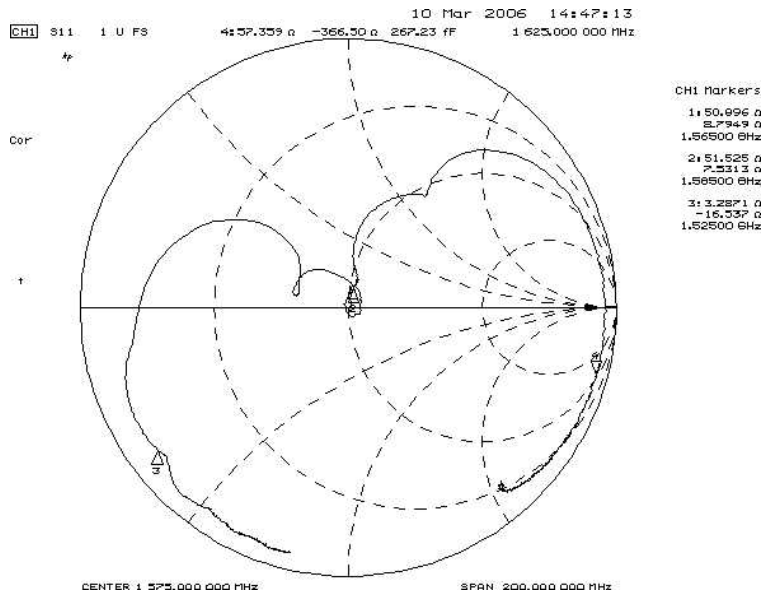
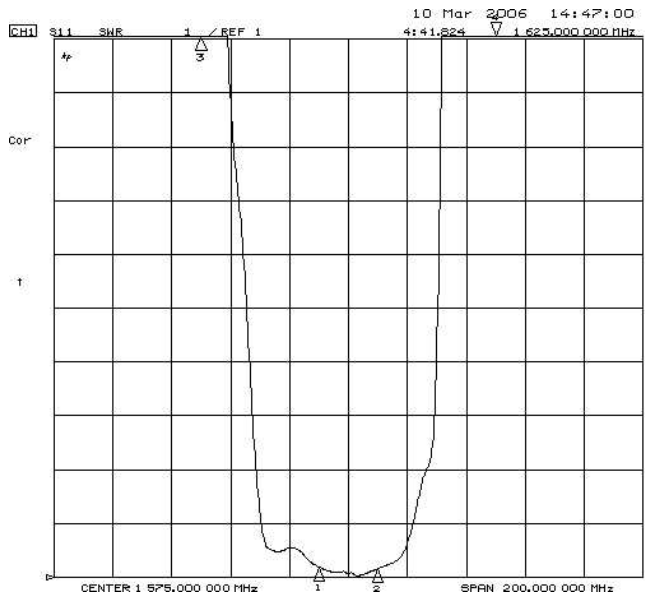


F. Frequency Characteristics :

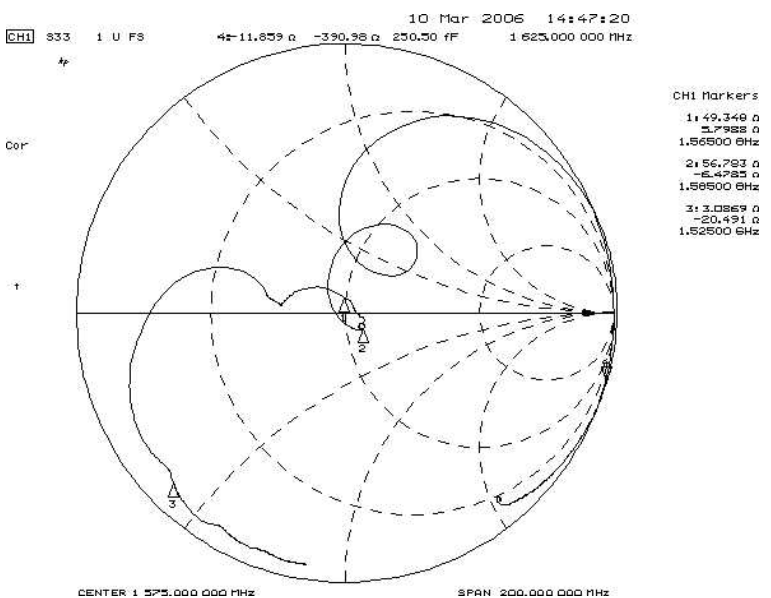
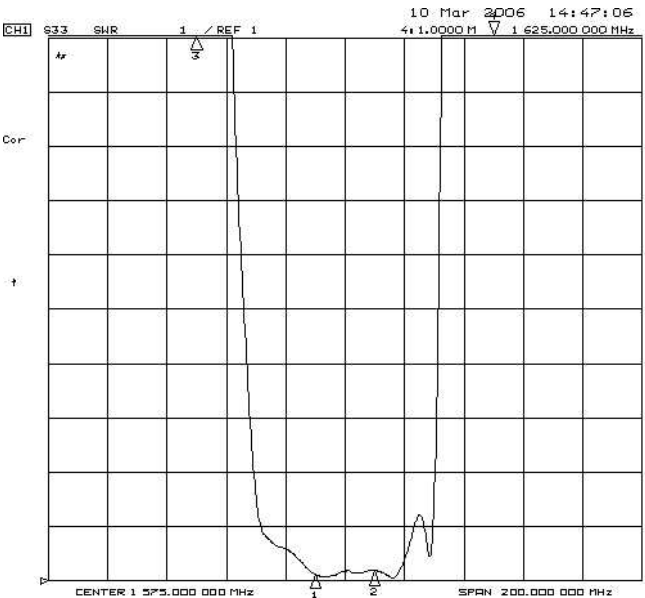


Reflections Functions :

S11 VSWR



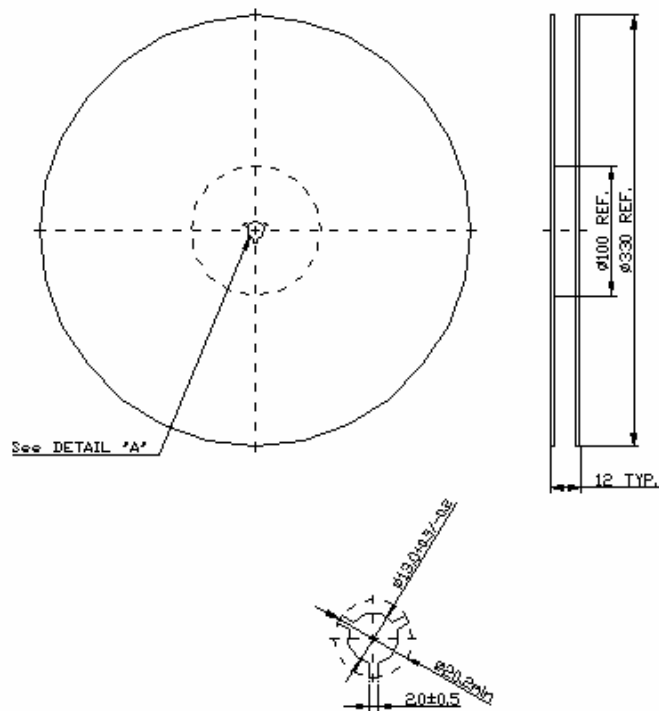
S22 VSWR



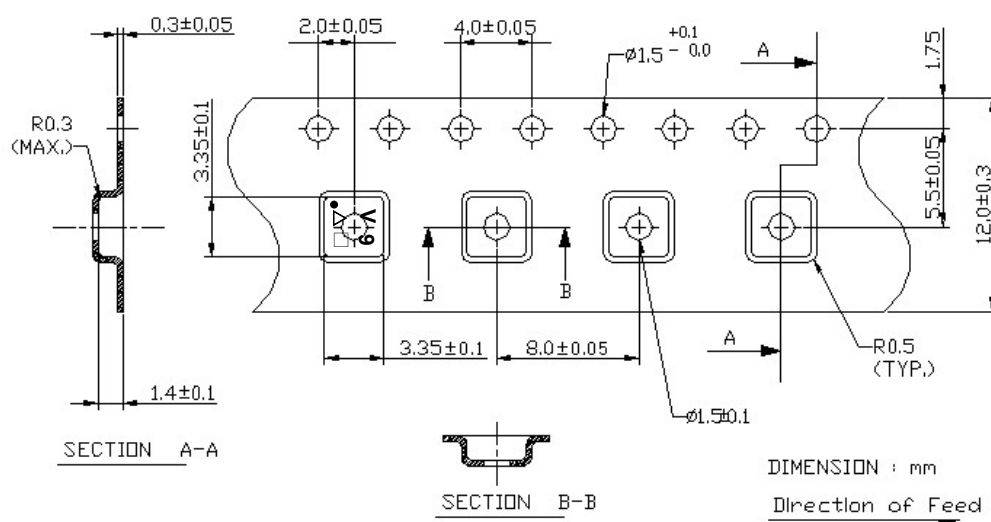
G. PACKING:

1. REEL DIMENSION

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



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

