



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 495 MHz SMD 3.0X3.0 mm (BW=10MHz)

TST Part No.: TA1407A

Customer Part No.: _____

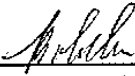
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau 

Approved by: _____ Francis Chen 

Date: _____ 9, 14, 2011

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.



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

SAW Filter 495 MHz

MODEL NO.:TA1407A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -45°C to +85°C

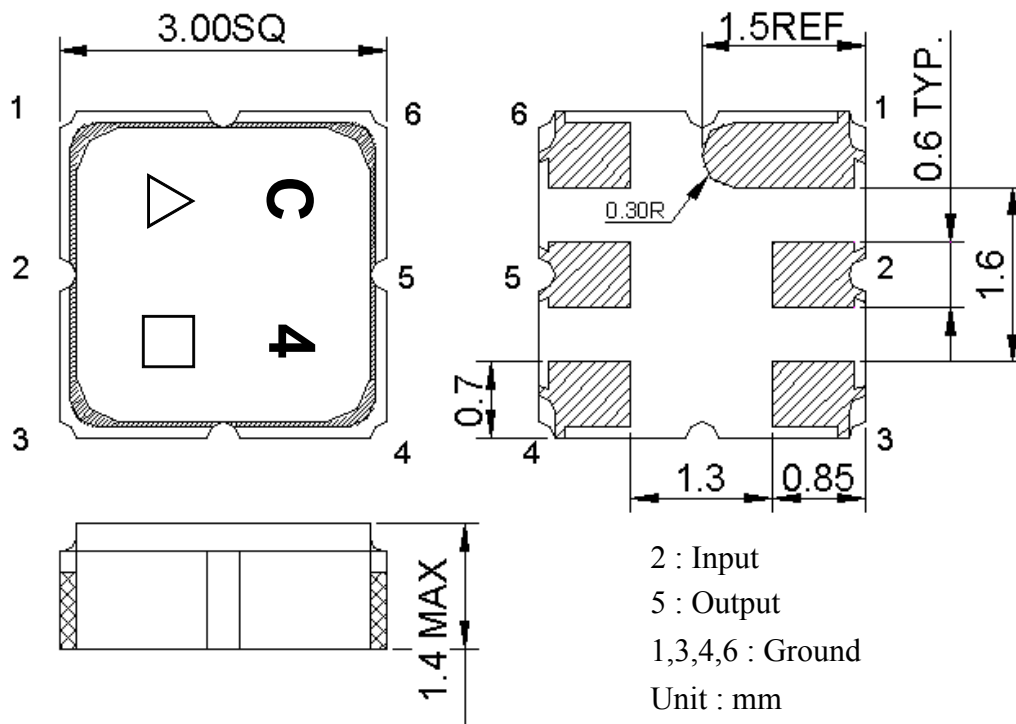
RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency F_c	MHz	-	495	-	-
Insertion Loss (490~500 MHz) IL	dB	-	1.9	3.5	-
Amplitude Ripple (490~500 MHz)	dB	-	0.6	1.5	-
VSWR (490~500 MHz)		-	1.3	2.3	-
Attenuation (Reference level from 0 dB)					
F_c-45.8 ~ F_c-39.8 MHz	dB	50	58	-	-
F_c+39.8 ~ F_c+45.8 MHz	dB	43	49.5	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

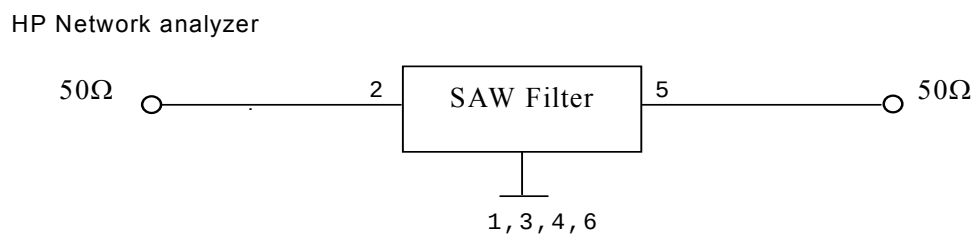
C.OUTLINE DRAWING:



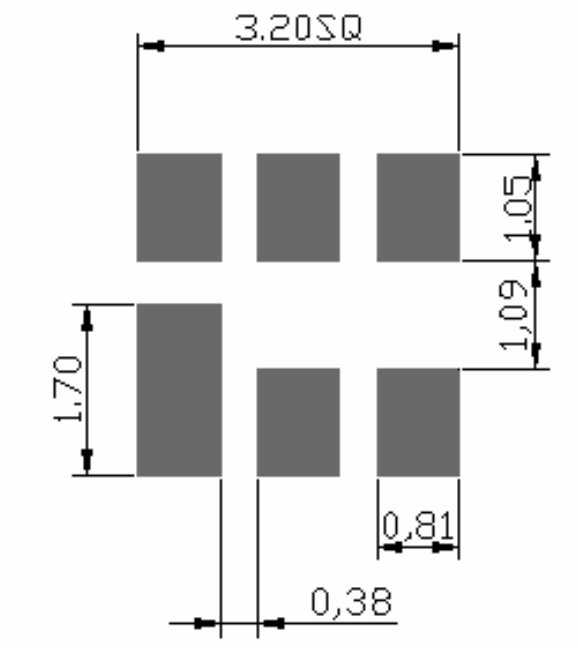
△ : Year Code (2009->9, 2010->0,..., 2018->8)

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

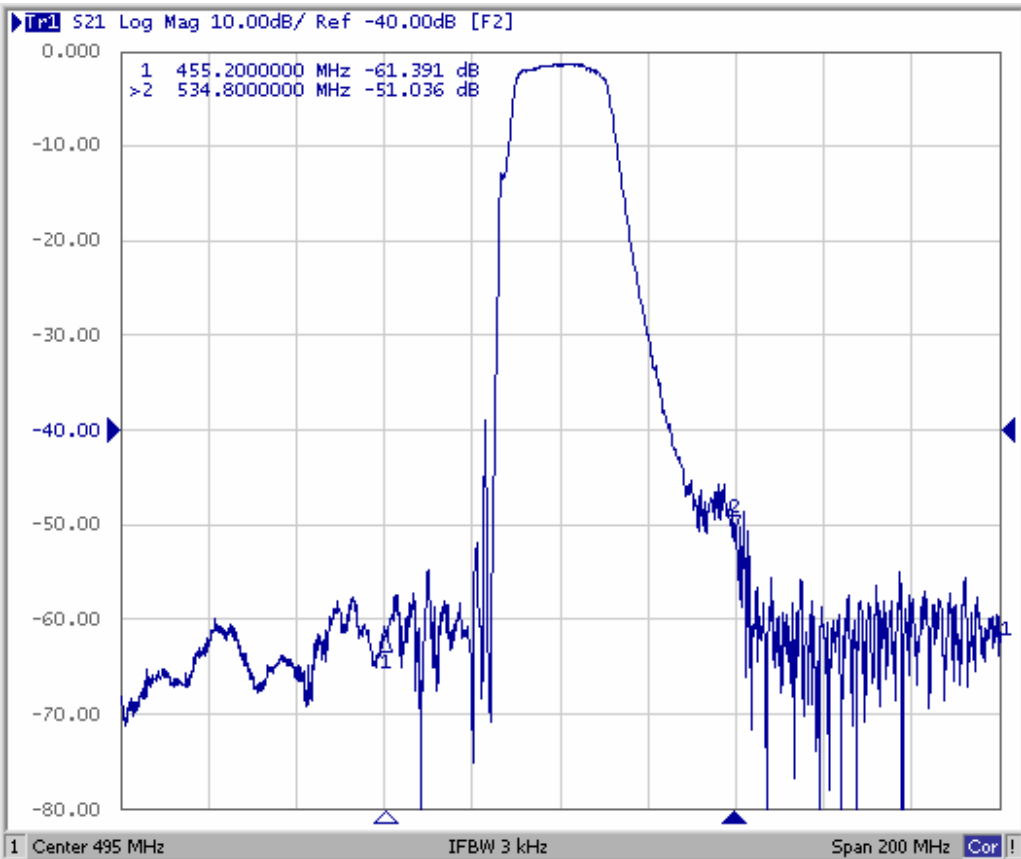
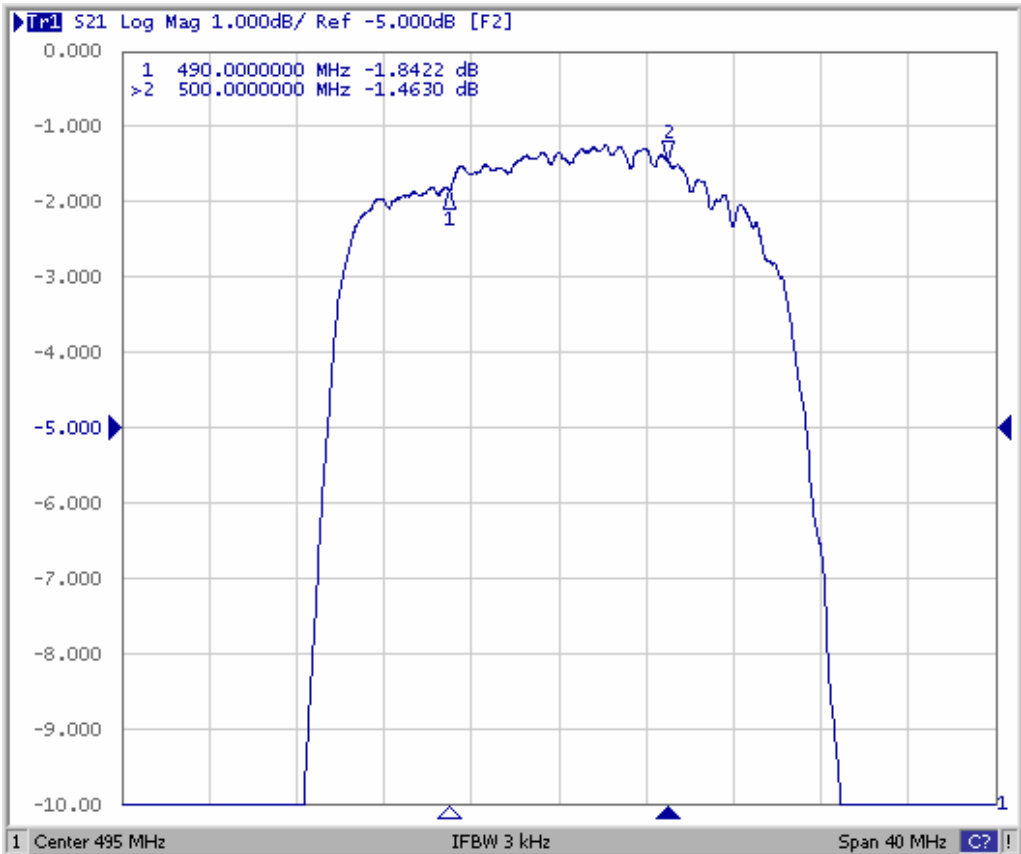
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:

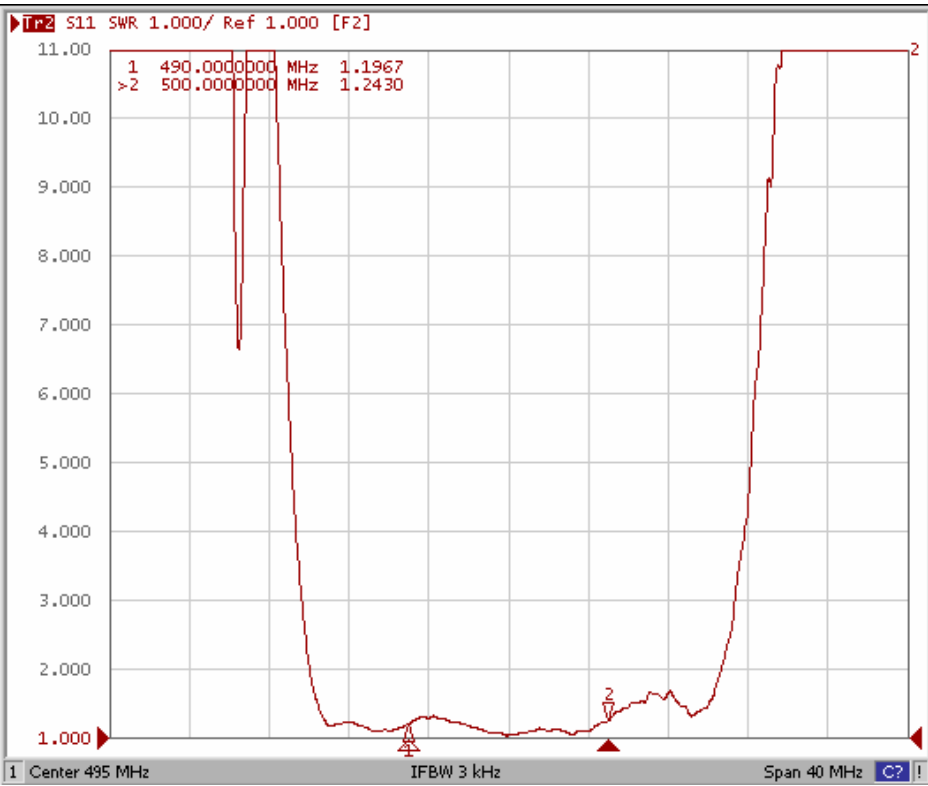


F. Frequency Characteristics :

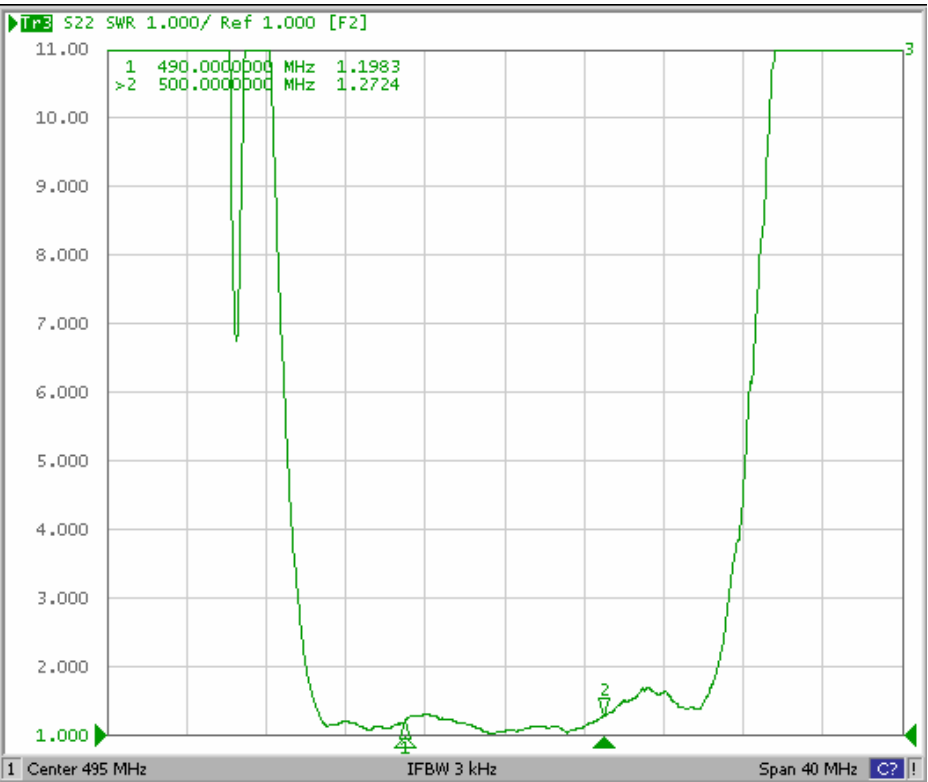


Reflection Functions :

S11



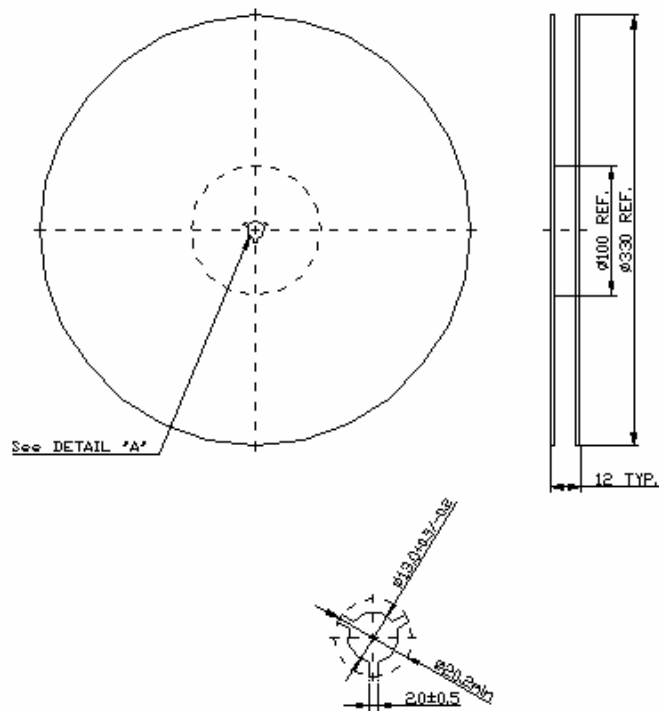
S22



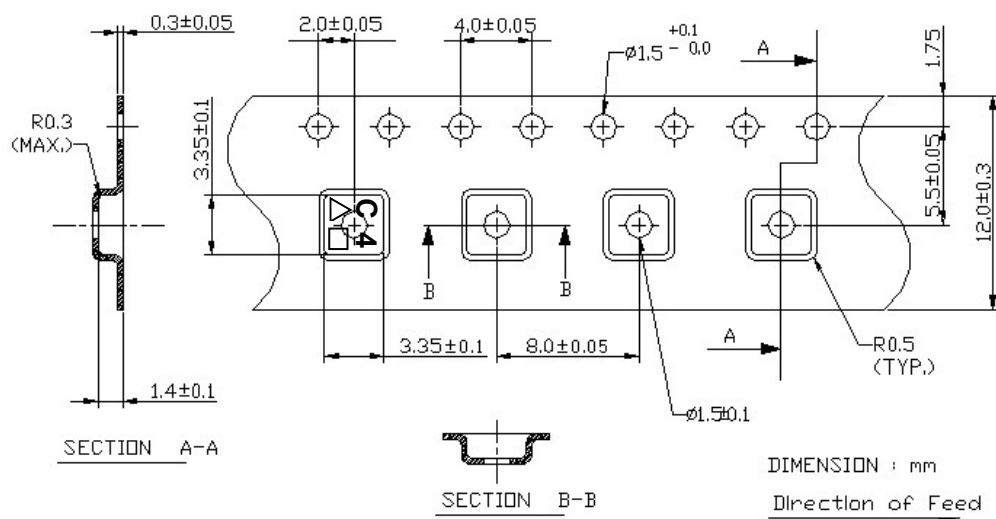
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 245~260°C peak (min. 10sec).
4. Time : 2 times.

