



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 422 MHz SMD 3.0x3.0 mm

TST Part No.: TA1215A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 張閱智

Approved by: _____ Francis Chen 陳國平

Date: _____ 2010/05/18

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 422 MHz

MODEL NO.:TA1215A

REV. NO.:1

A. MAXIMUM RATING:

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

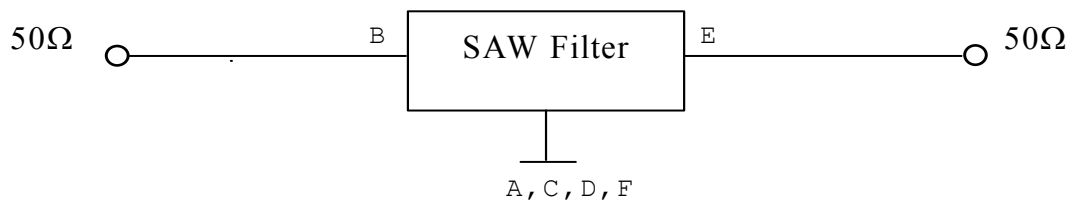
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

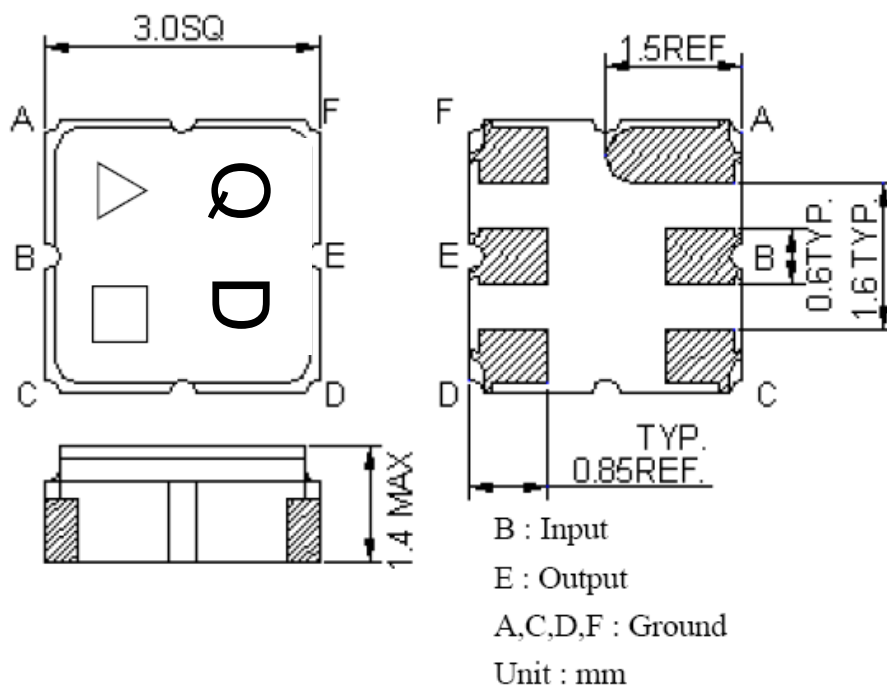
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	422	-
Insertion Loss (420~424 MHz) IL	dB	-	1.9	3.5
Amplitude Ripple (420~424 MHz)	dB	-	0.3	1.6
VSWR (420~424 MHz)	-	-	1.5	2.4
Attenuation (Reference level from 0 dB)				
10 ~ 380 MHz	dB	55	71	-
380 ~ 405 MHz	dB	45	56	-
414 MHz	dB	10	69	-
440 ~ 450 MHz	dB	30	39	-
450 ~ 700 MHz	dB	50	58	-
700 ~ 1000 MHz	dB	42	56	-

C. MEASUREMENT CIRCUIT:

HP Network analyzer



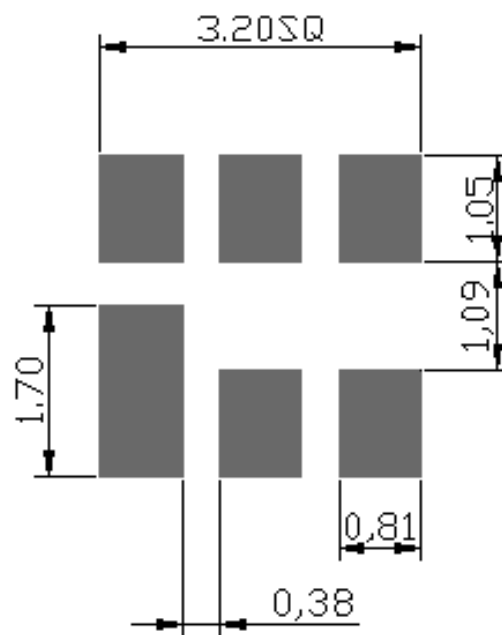
D.OUTLINE DRAWING:



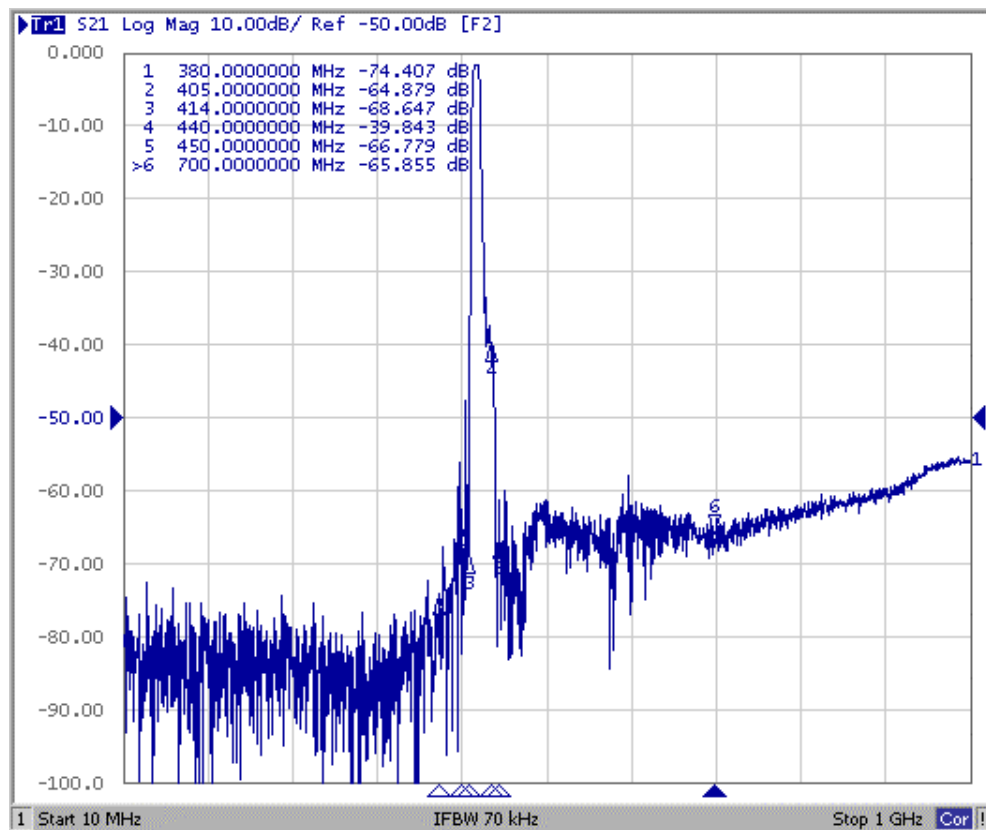
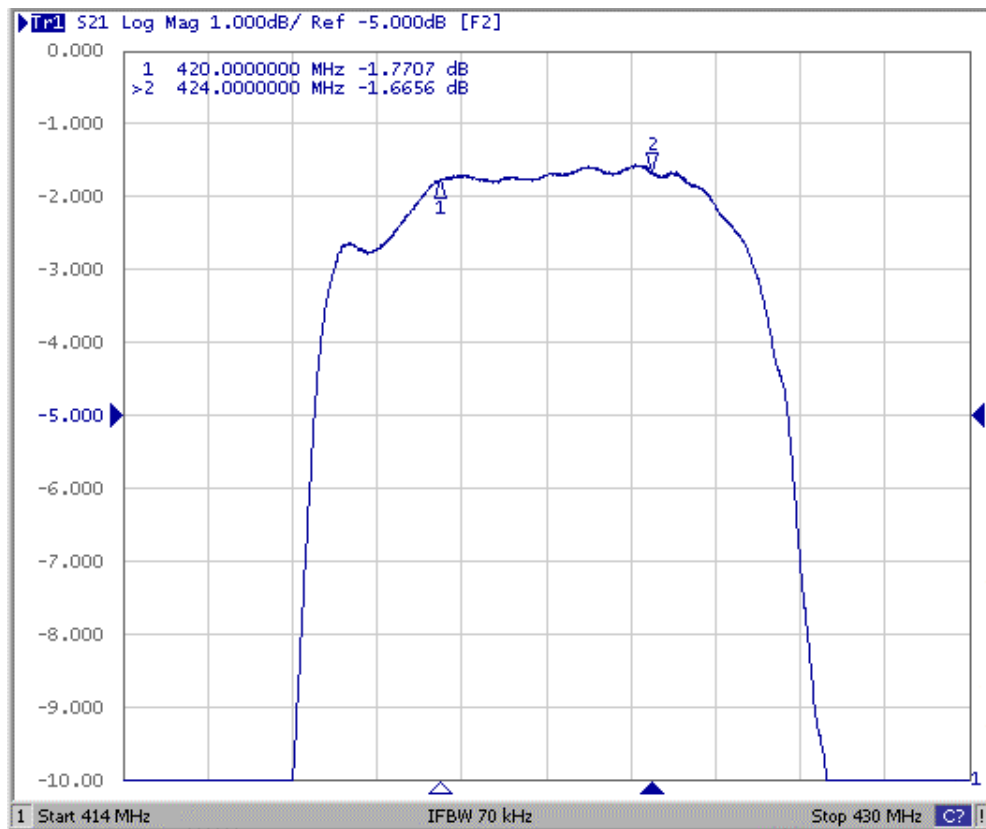
△ : Year Code (2006->6, ..., 2009->9)

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

E. PCB Footprint:

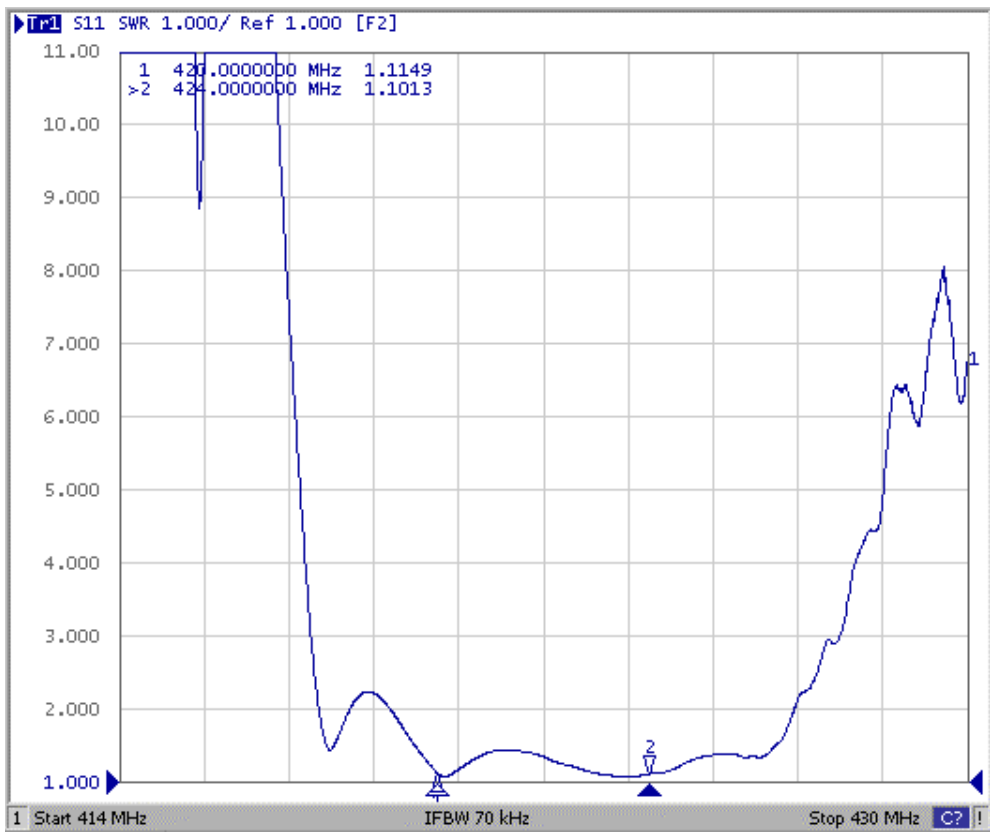


F. Frequency Characteristics :

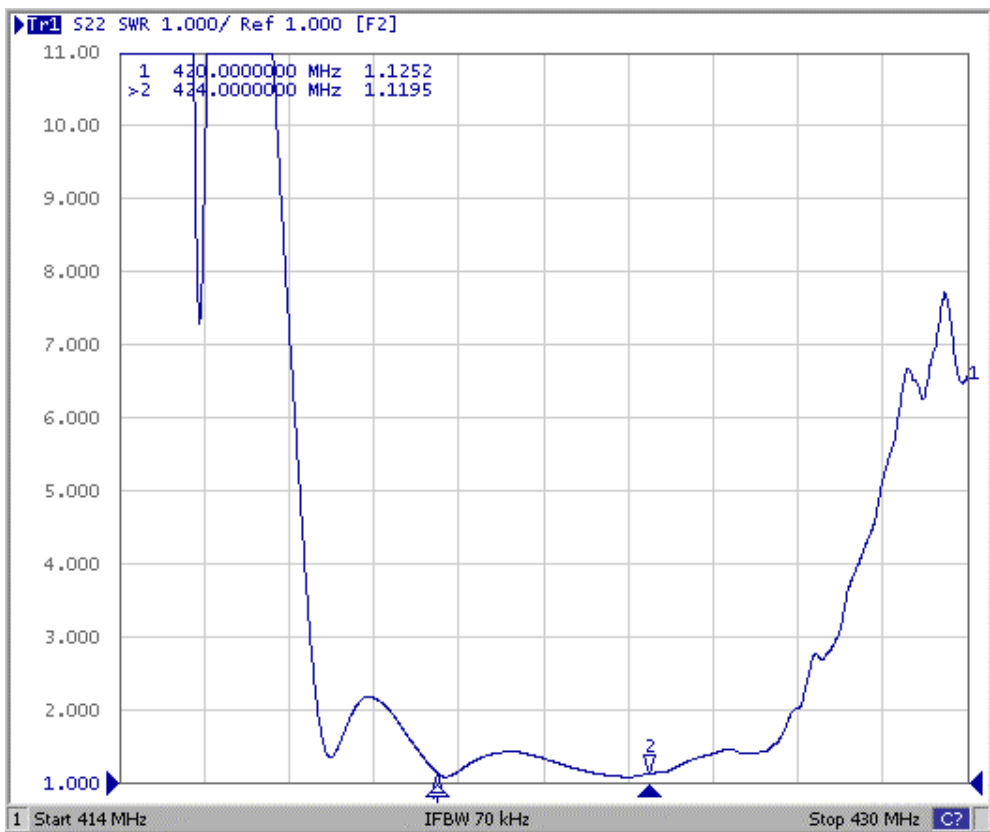


Reflection Functions :

S11

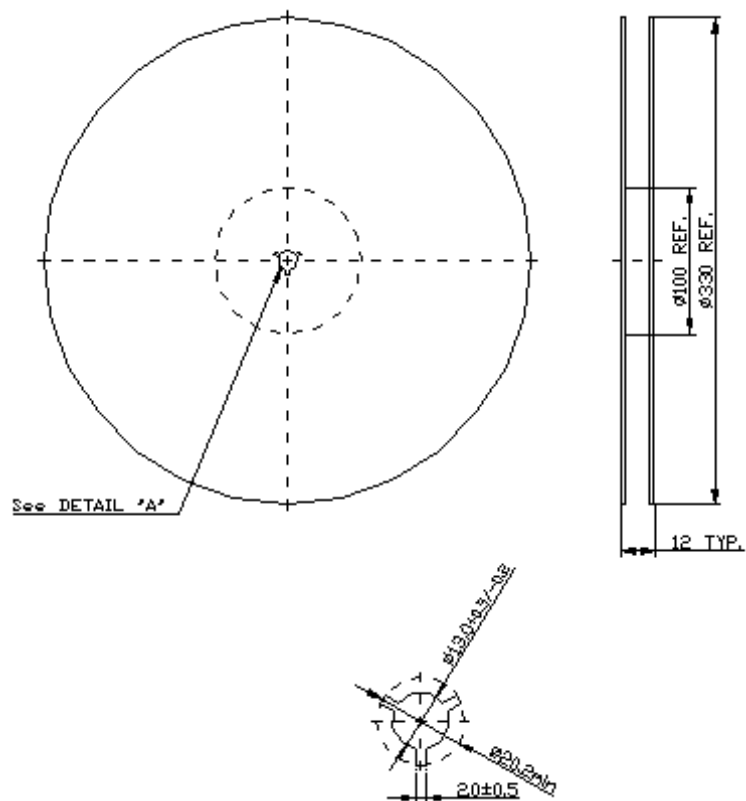


S22

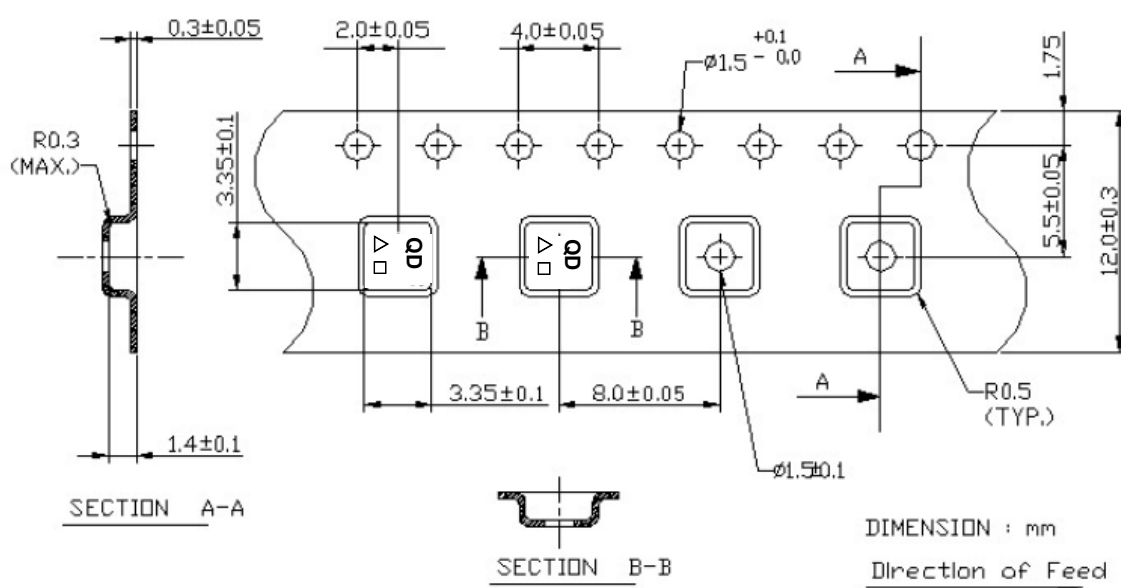


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

