TAI-SAW TECHNOLOGY CO., LTD.
No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Tao-Yuan, 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

Product Name: 70MHz IF SAW Filter (BW=9.2 MHz)

TST Parts No.: TB0225A

Customer Parts No.:_____

Customer signature required

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Andy Yu Andy

Approval by: Francis Chen

Date: 2011/01/19

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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70 MHz IF SAW Filter (SMD 13.3×6.5 mm)
Model No.: TB0225A Rev. No.:4.0

RoHS Compliant
Lead free
Lead-free soldering

A. Maximum Rating:

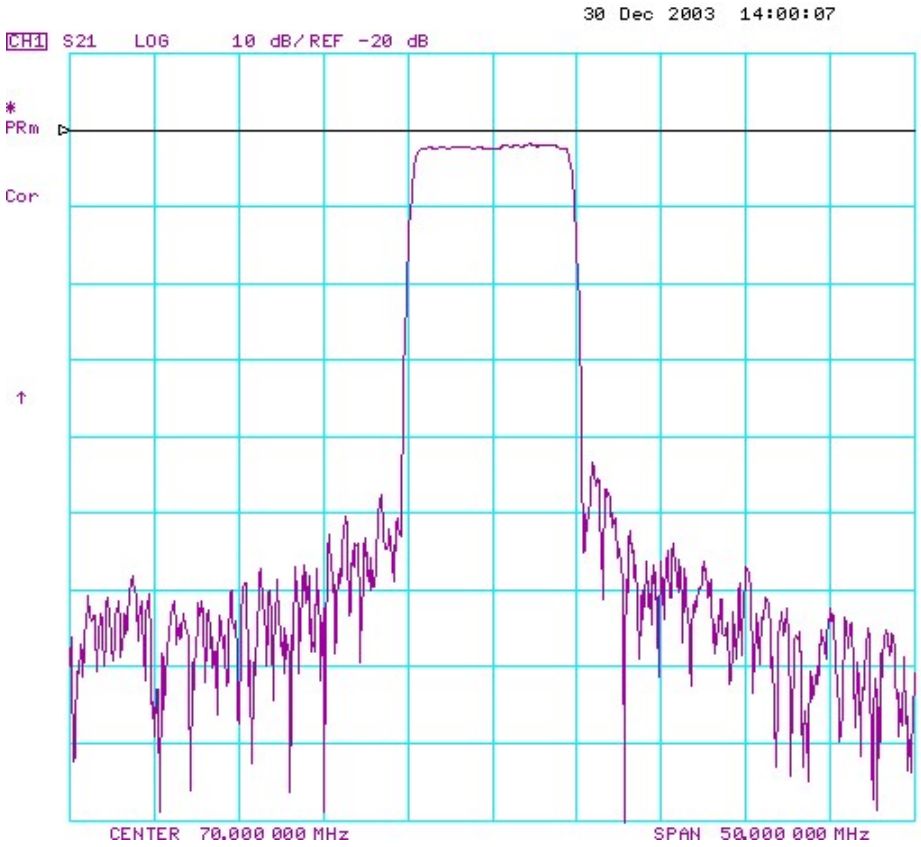
1. Input Power Level: +20 dB_m
2. Operating Temperature: -10°C to +70°C
3. Storage Temperature: -40°C to +85°C

B. Electrical Characteristics:

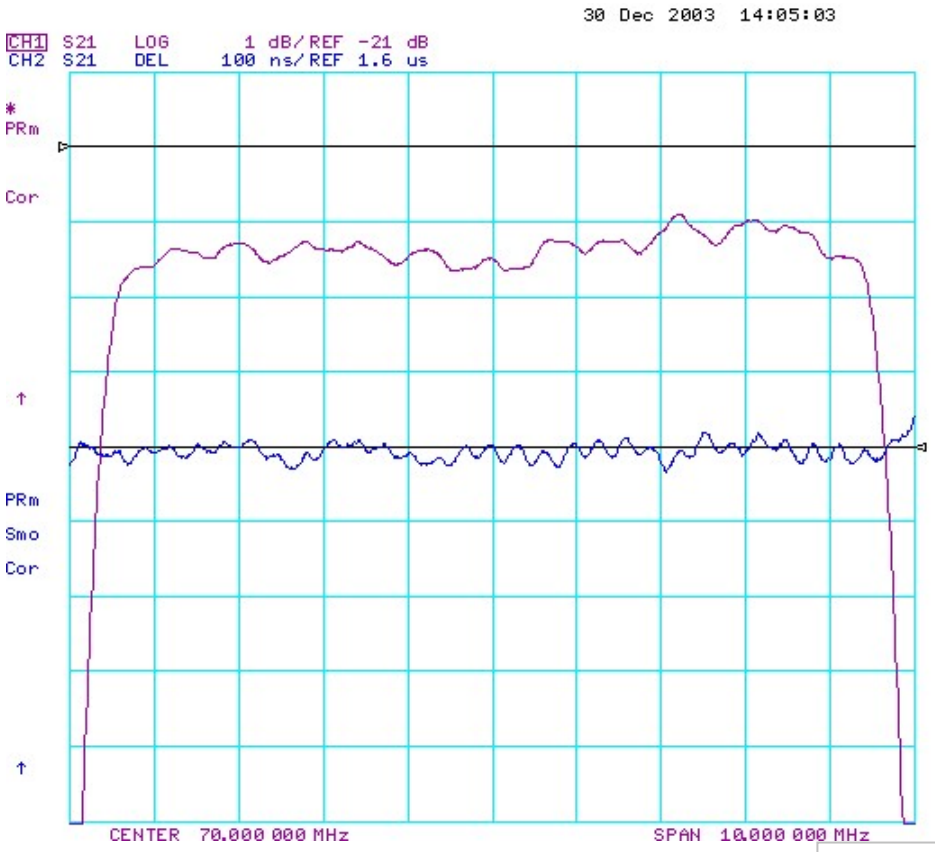
Parameters	Unit	Min.	Typical	Max.
Center frequency, **Fc**	MHz	-	70	-
Insertion Loss, **IL**	dB	-	22.2	24
1 dB Bandwidth	MHz	-	9.0	-
3 dB Bandwidth	MHz	9.20	9.33	-
40 dB Bandwidth	MHz	-	10.67	11.00
Relative Attenuation:				
10 to 64 MHz	dB	38	45	-
76 to 140 MHz	dB	38	45	-
Amplitude ripple within Fc ± 4.0 MHz	dB	-	0.8	1.5
Group delay ripple within Fc ± 4.0 MHz	nsec	-	70	150
Absolute Delay	usec	-	1.59	-
Substrate Material	-	-	LT	-
Temperature Coefficient of frequency	ppm/ °C	-	-18	-

C. Frequency Characteristics:

(1) Frequency Response

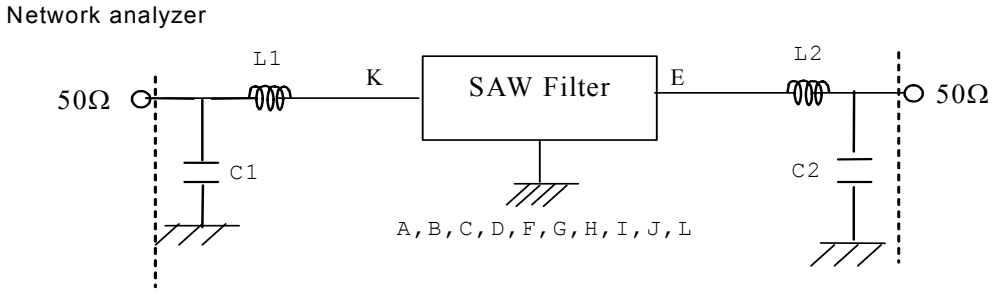


(2) Passband response and Group Delay Variation



D. Measurement Circuit:

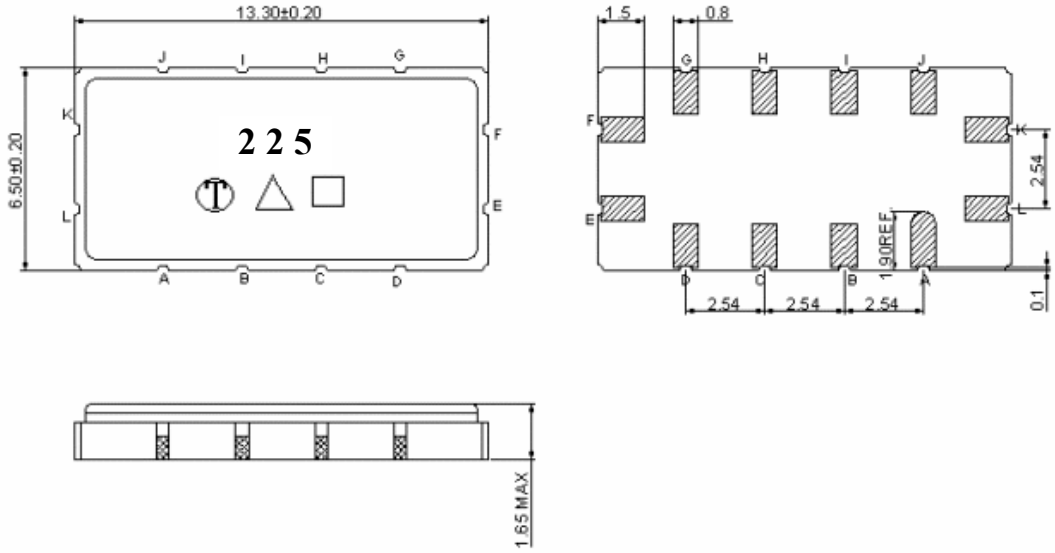
Source and load impedance: 50 Ω



Input: L1=150 nH; C1=56 pF

Output: L2=369 nH; C2=62 pF

E. Outline Drawing:



Pin K: RF input

Pin E: RF output

Pin A, B, C, D, G, H, I, L, F J: To be Ground

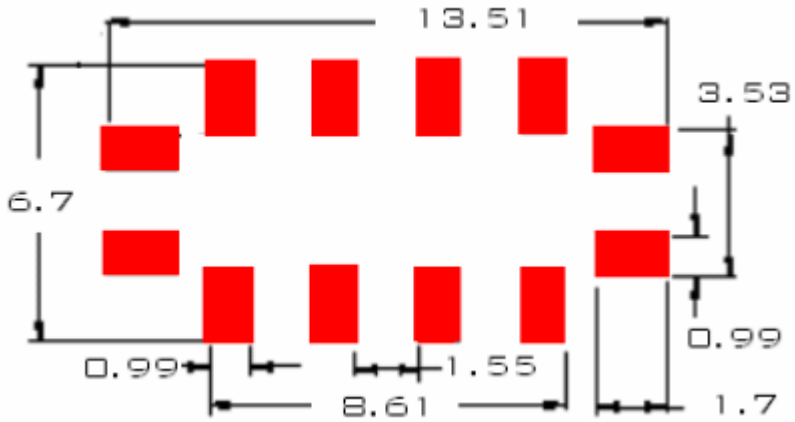
□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

Year	2005 2009	2006 2010	2007 2011	2008 2012
Product Code	B	b	B	b

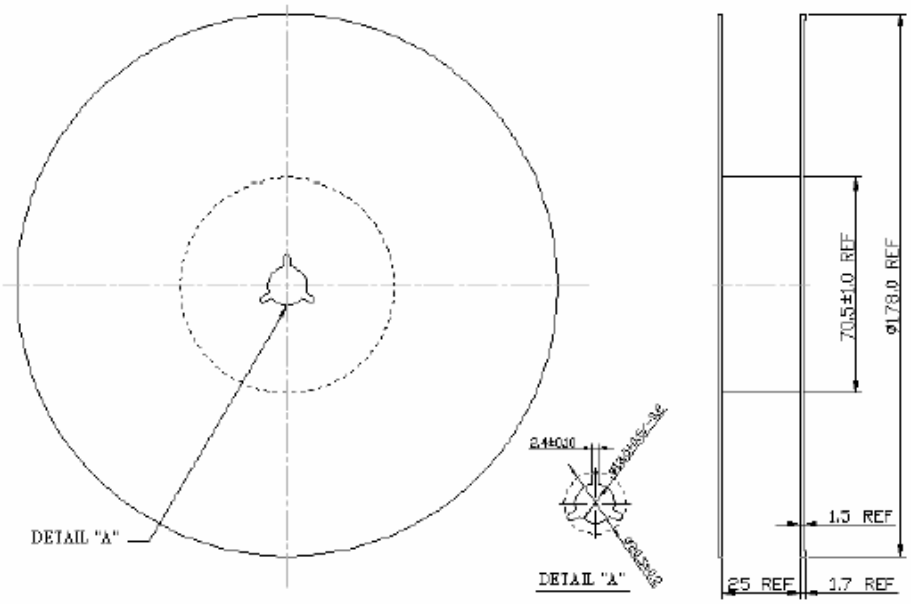
F. PCB Footprint



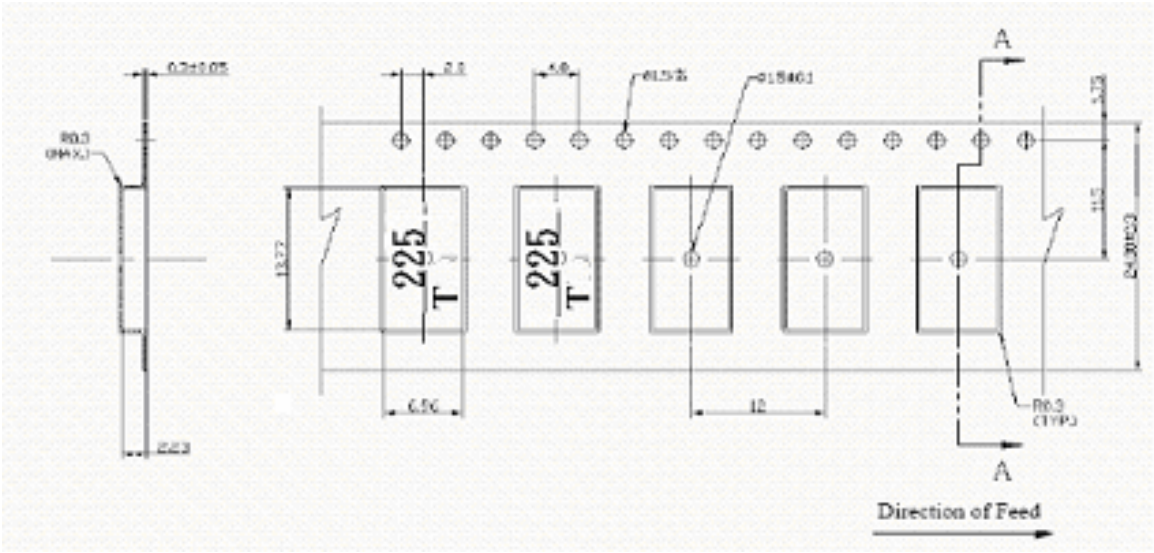
Unit: mm

G.PACKING:

REEL DIMENSION:



TAPE DIMENSION:



H. RECOMMENDED REFLOW PROFILE: