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

Approval Sheet For Product Specification

Issued Date: Sep, 12, 2007

Product Name: SAW Filter 135.53 MHz SMD 5.0X7.0 mm

TST Parts No.: TB0557A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Bob Chau_____

Approval by:_____Francis Chen_____

Date:_____9, 12, 2007_____

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SAW Filter 135.53 MHz

MODEL NO.:TB0557A REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -20°C to +75°C
4. Storage Temperature: -30°C to +85°C

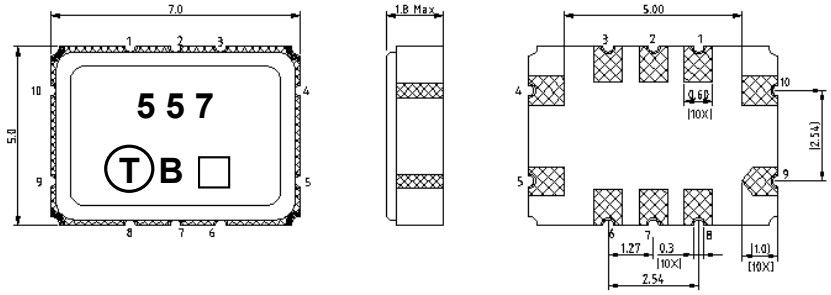
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Type.	Max.	Note
Center frequency, **Fc**	MHz	-	135.53	-	-
Minimum Insertion loss **IL**	dB	-	3.3	5.3	-
Passband Ripple (**Fc** ± 10 kHz)	dB	-	0.3	1.5	-
Passband Ripple (**Fc** ± 13 kHz)	dB	-	0.5	3	-
3 dB Bandwidth	KHz	-	87	-	-
Group delay deviation (**Fc** ± 13 kHz)	μ sec	-	2	10	-
Relative Attenuation (relative to 0 dB)					
Fc ± 120 kHz ~ **Fc** ± 240 kHz	dB	20	36	-	-
Fc ± 240 kHz ~ **Fc** ± 1000 kHz	dB	50	52	-	-
Fc ± 330 kHz	dB	50	62	-	-
Fc ± 660 kHz	dB	50	63	-	-
Temperature coefficient of frequency	**TCf**	-0.032 ppm/C^2			

Note1. Considering -11 KHz frequency shift from –20℃ to +75℃

C.OUTLINE DRAWING:



Pin configuration

#9 Input

#4 Output

#10 Balance input or input ground

#5 Balance output or output ground

#1,2,3,6,7,8 To be grounded

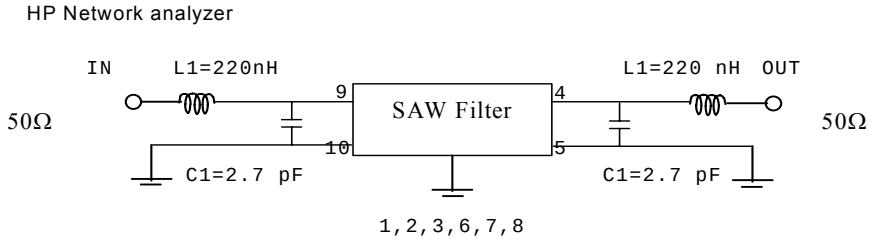
□ Date code

Unit mm

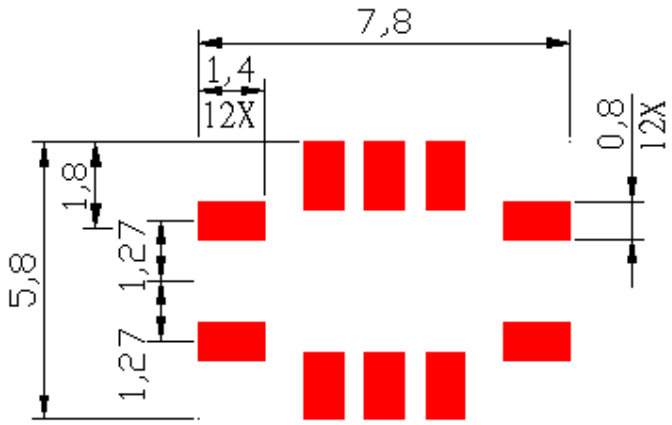
Product Year Code

Year	2001 2005	2002 2006	2003 2007	2004 2008
Product Code	B	b	B	b

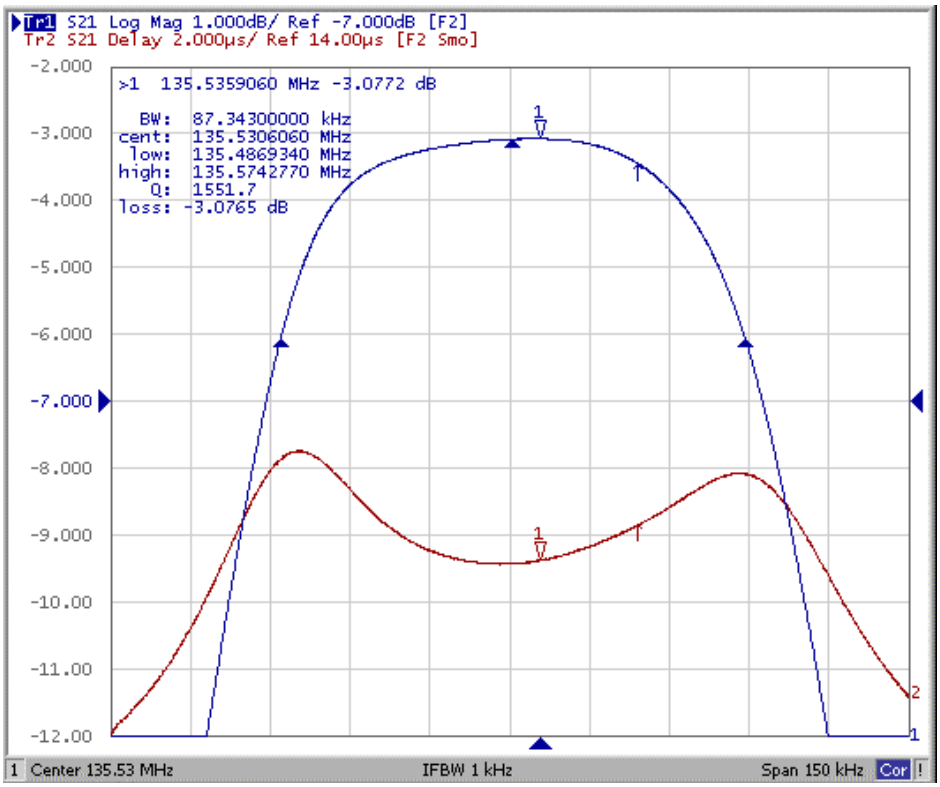
D. MEASUREMENT CIRCUIT:
50 Ohm Test circuit (single-ended / single-ended)

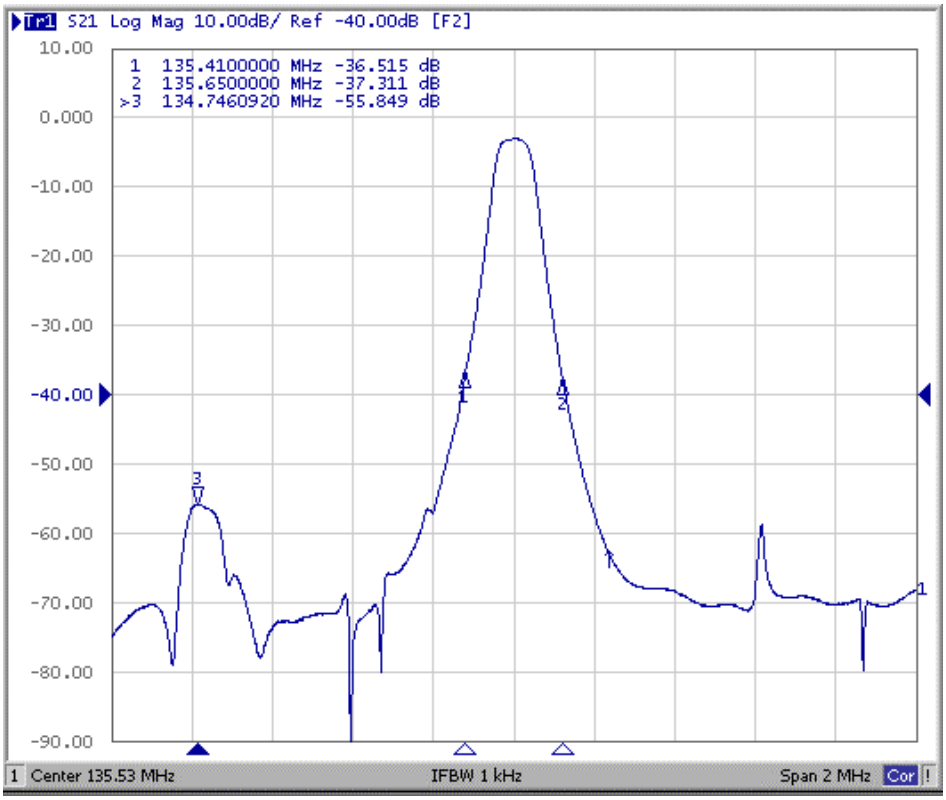


E. PCB Footprint:



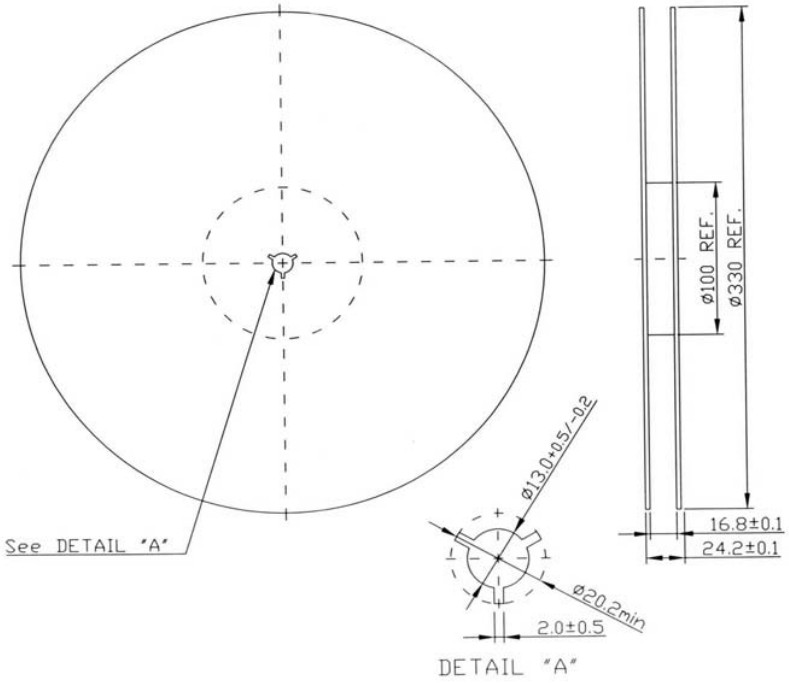
F. Frequency Characteristics :



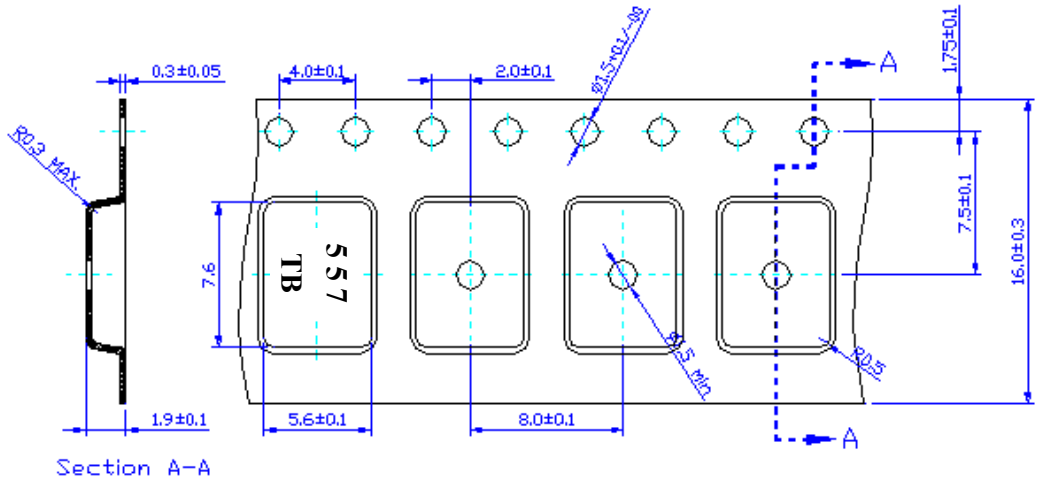


G. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :