



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date: May, 8, 2007

Product Name: SAW Filter 70 MHz SMD 13.3x6.5 mm

TST Parts No.:TB0505A

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ 5, 8, 2007



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SAW Filter 70 MHz

MODEL NO.:TB0505A

REV. NO.:1

A. MAXIMUM RATING:

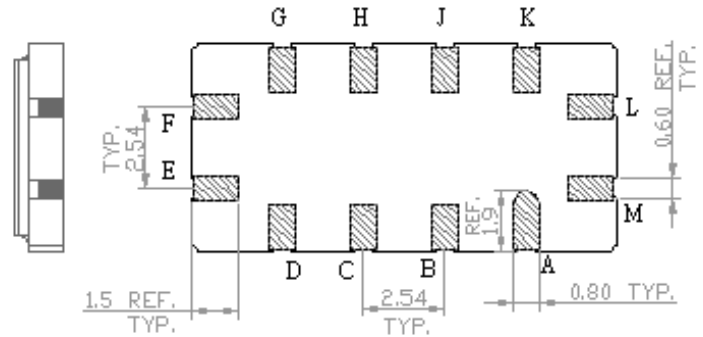
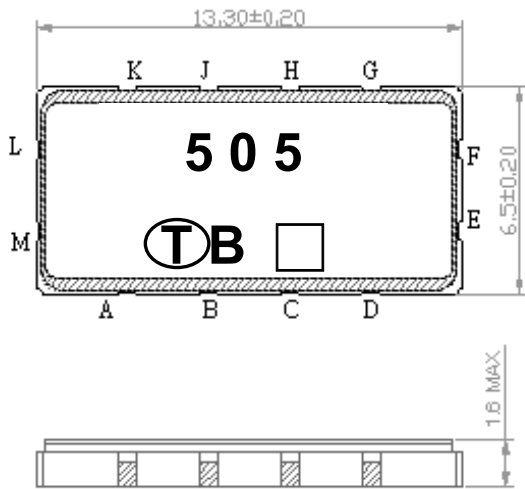
1. Input Power Level: 10 dBm
2. DC Voltage : 5V
3. Operating Temperature: -10°C to 60°C
4. Storage Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS: (Ambient temperature : 25 °C)

Item	Unit	Min.	Type.	Max.	Note
Center frequency, F_c	MHz	69.955	70	70.044	-
Insertion Loss, IL	dB	-	3.2	6	-
3dB bandwidth	dB	0.03	0.05	-	-
40dB bandwidth	dB	-	0.14	0.2	-
Absolute Group Delay at F_c	μs	-	16	-	-
Group Delay Variation (70±0.015 MHz)	μs	-	6	12	-
Attenuation:(Reference level from Min IL)					
0.3 MHz ~ 69.8 MHz	dB	48	58	-	-
70.2 MHz ~ 71 MHz	dB	35	43	-	-
71 MHz ~ 71.5 MHz	dB	35	45	-	-
71.5 MHz ~ 75 MHz	dB	45	48	-	-
Temperature coefficient of frequency	TCF	-0.032 ppm/C ²			

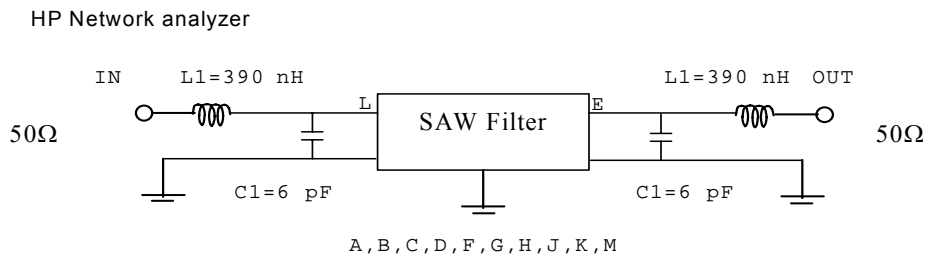
C.OUTLINE DRAWING:



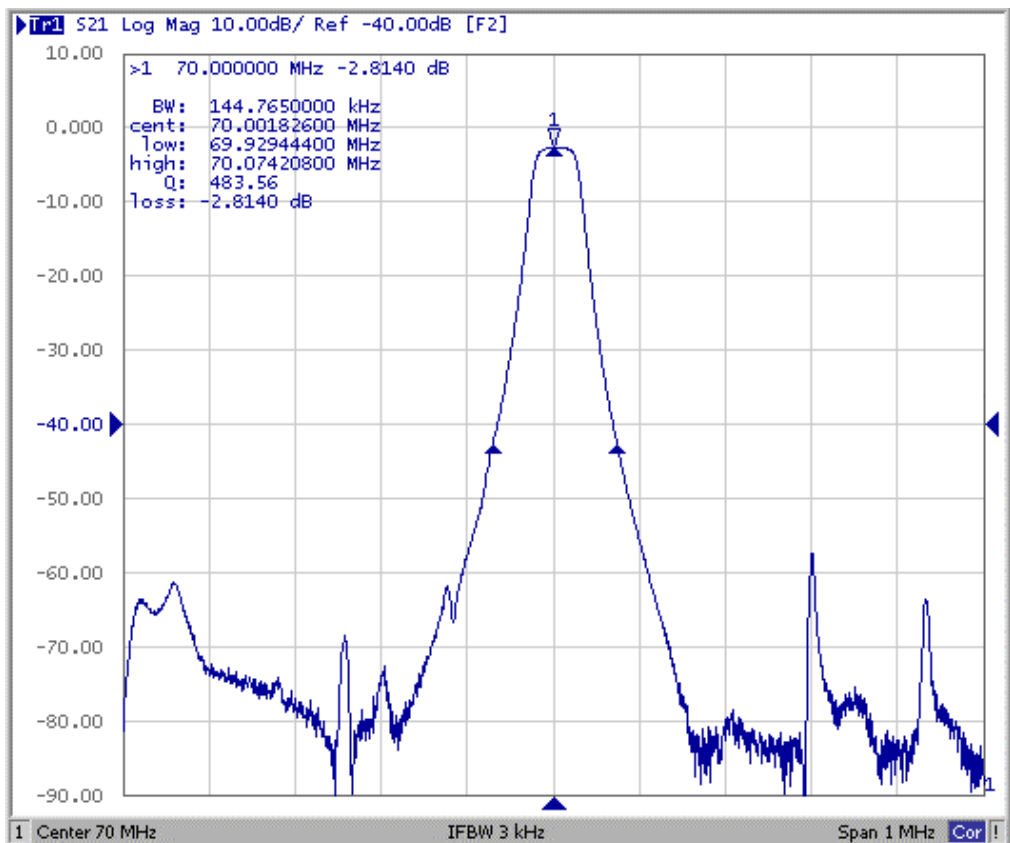
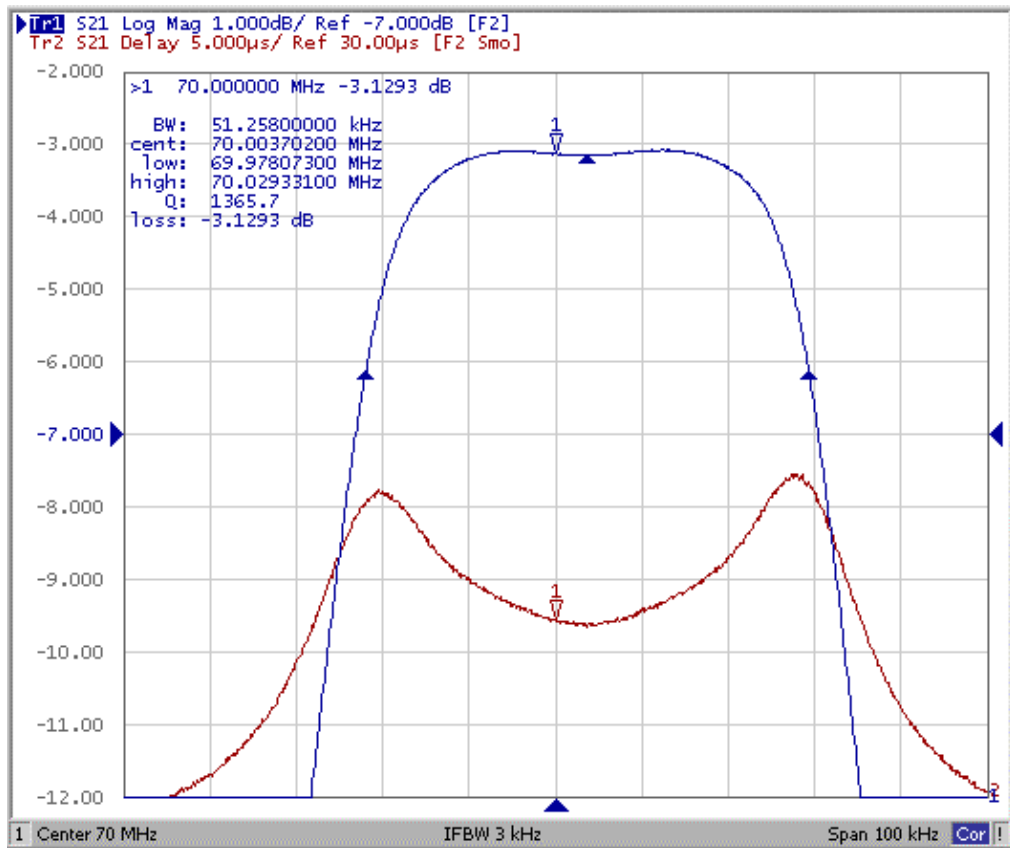
Pin configuration

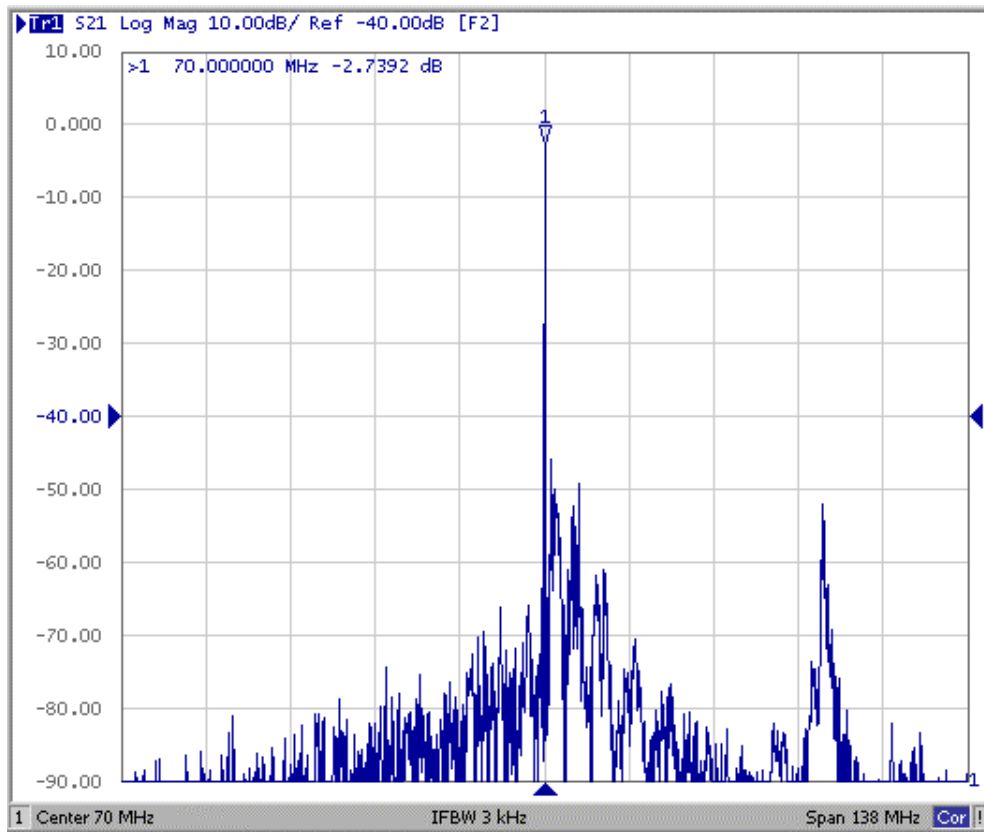
- #L Input
- #M Input RF-Return
- #E Output
- #F Output RF-Return
- #A,B,C,D,G,H,J,K To be grounded
- Date code
- Unit mm

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

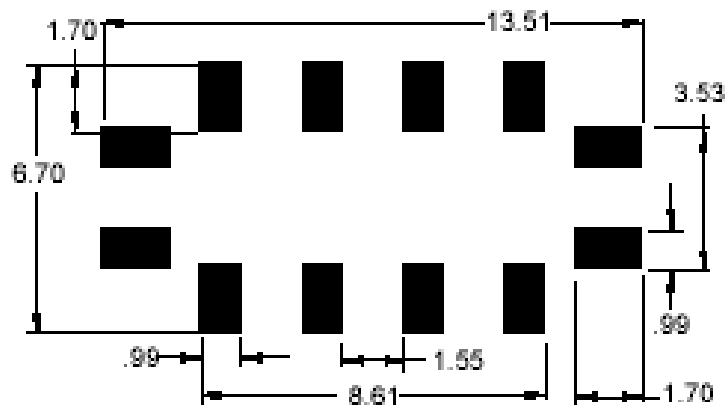


E. Frequency Characteristics :





F. PCB Footprint:



H. RECOMMENDED REFLOW PROFILE :

