



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Approval Sheet For Product Specification

Issued Date: Nov, 29, 2005

Product Name: SAW Filter 499.25 MHz SMD 5X5 mm

TST Parts No.:TA0524A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Bob Chau

Approval by:_____ Francis Chen

Date:_____ 11, 29, 2005



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SAW Filter 499.25 MHz

MODEL NO.: TA0524A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC voltage: 5 V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

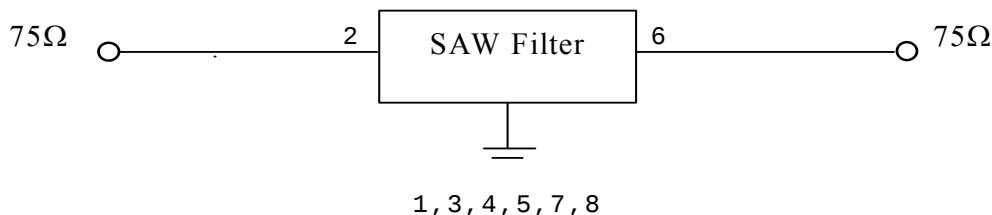
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

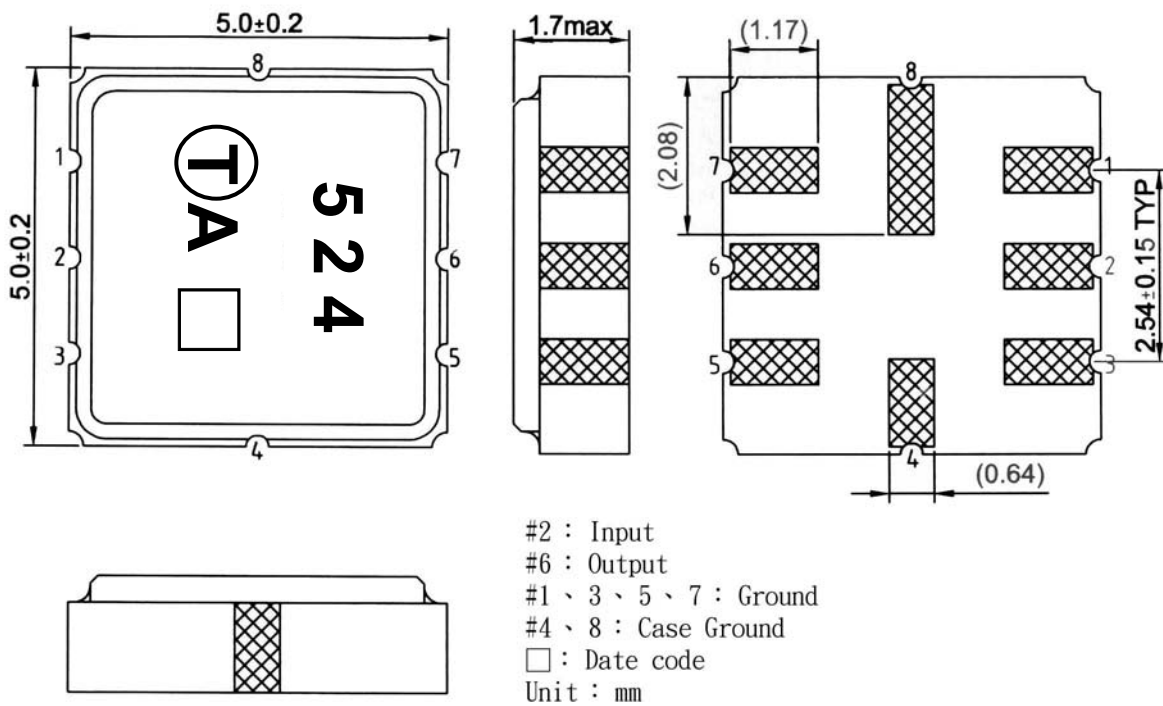
Item	Unit	Min.	Typ.	Max.
Center frequency F_o	MHz	-	499.25	-
Insertion loss at F_o IL	dB	-	2.2	5
Amplitude Ripple (Peak to adjacent valley, 499.25 +/- 0.5 MHz)	dB	-	0.3	0.75
Attenuation (Reference level from 0 dB)				
F_o ± 6 MHz	dB	8	18	-
F_o ± 12 MHz	dB	28	38	-
F_o ± 18 MHz	dB	45	50	-
F_o ± 50 MHz	dB	40	52	-
50 ~ 300 MHz	dB	35	55	-
750 ~ 1000 MHz	dB	30	36	-
Input/Output Return Loss @ 499.25 MHz	dB	9	15	-
Source impedance Z_s	Ω	-	75	-
Load impedance Z_L	Ω	-	75	-
Temperature Coefficient	ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

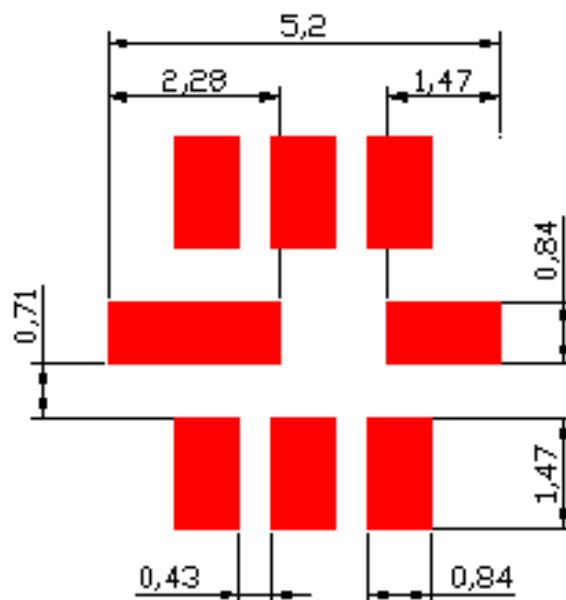
HP Network analyzer



D. OUTLINE DRAWING:

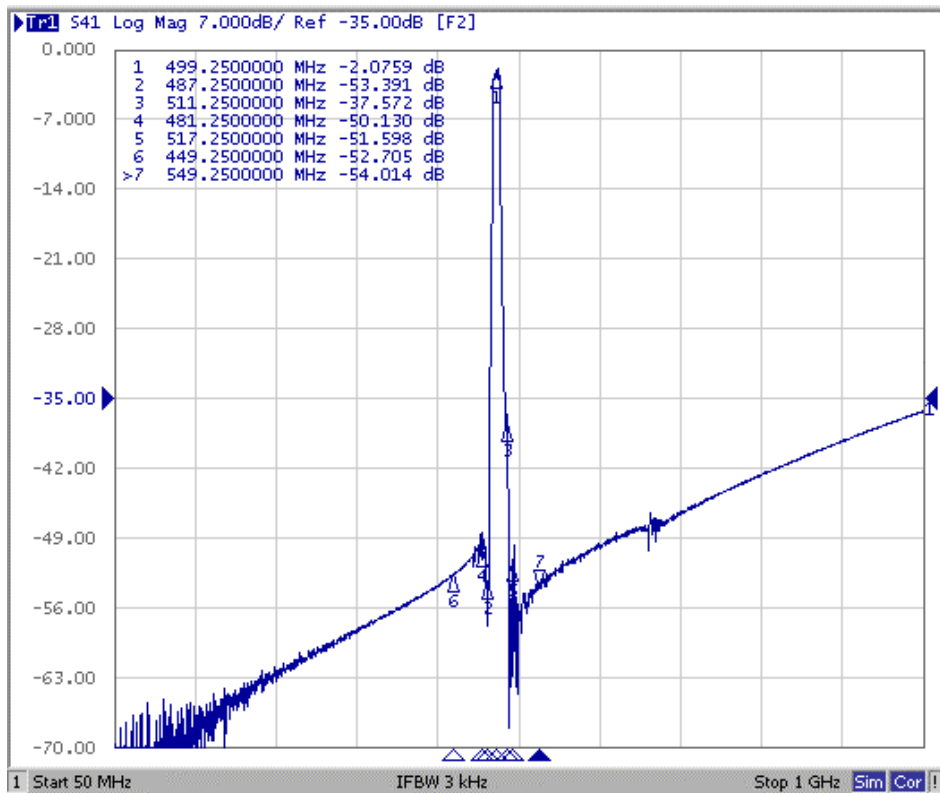
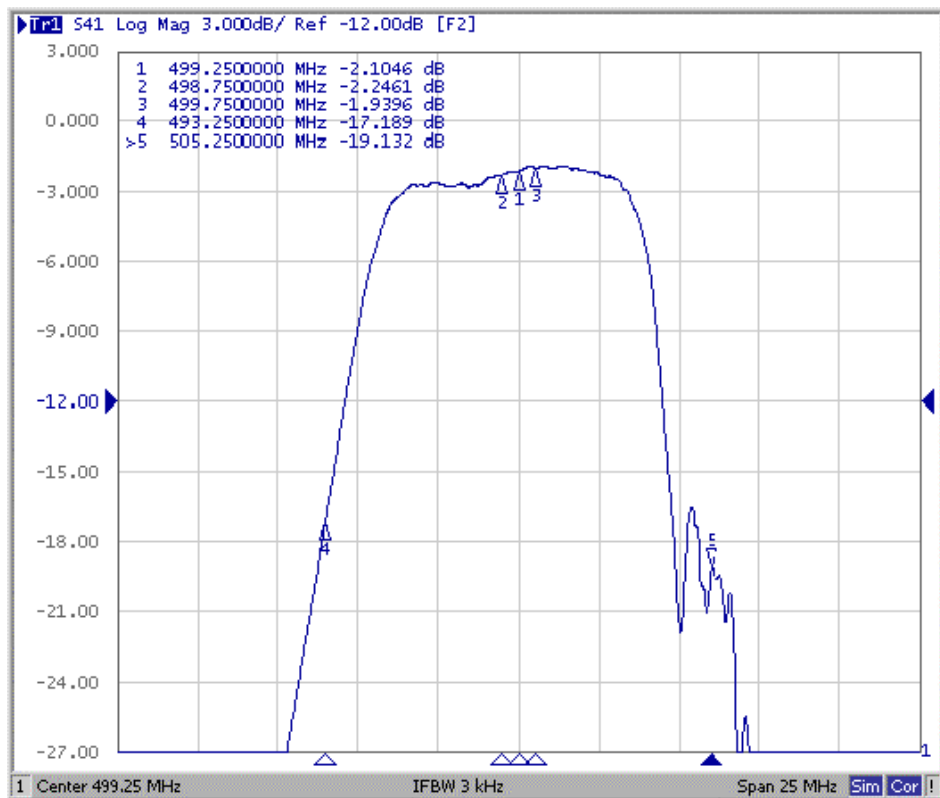


E. PCB Footprint:



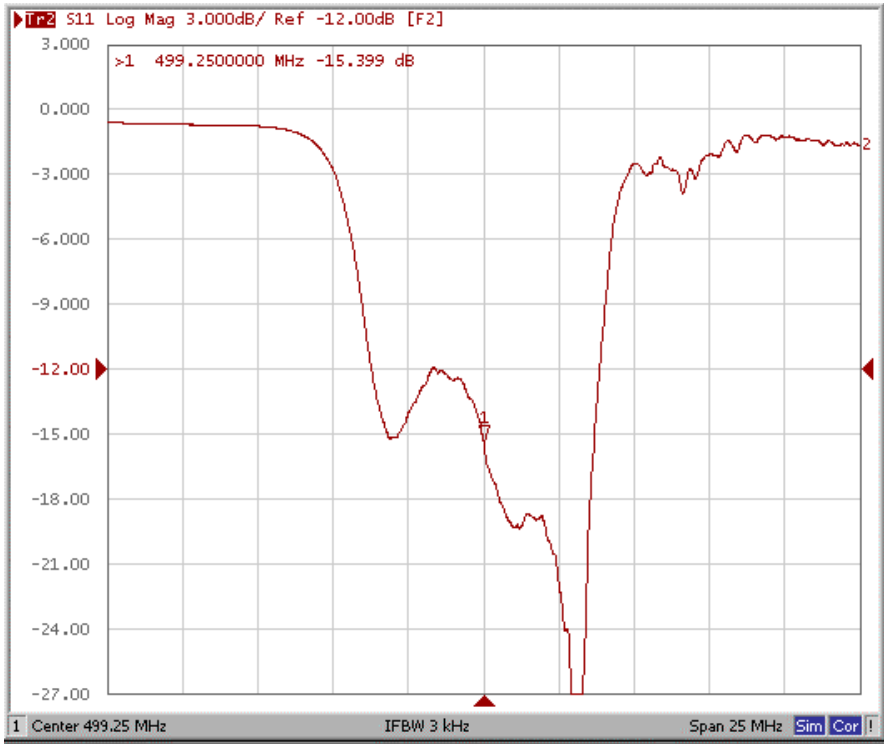
F. Frequency Characteristics :

Transfer function

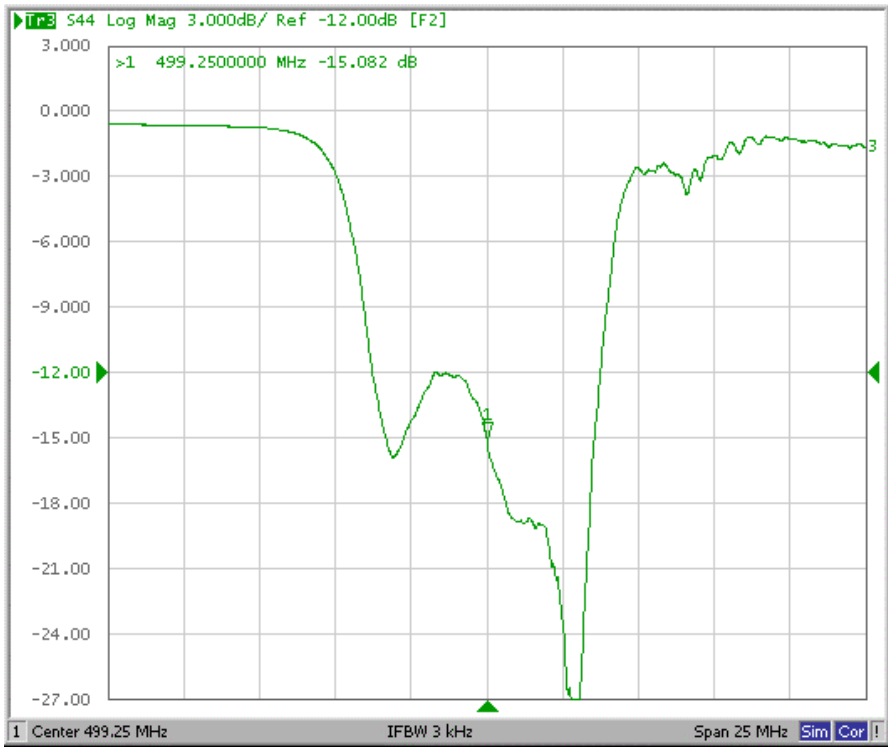


Reflections Functions :

S11

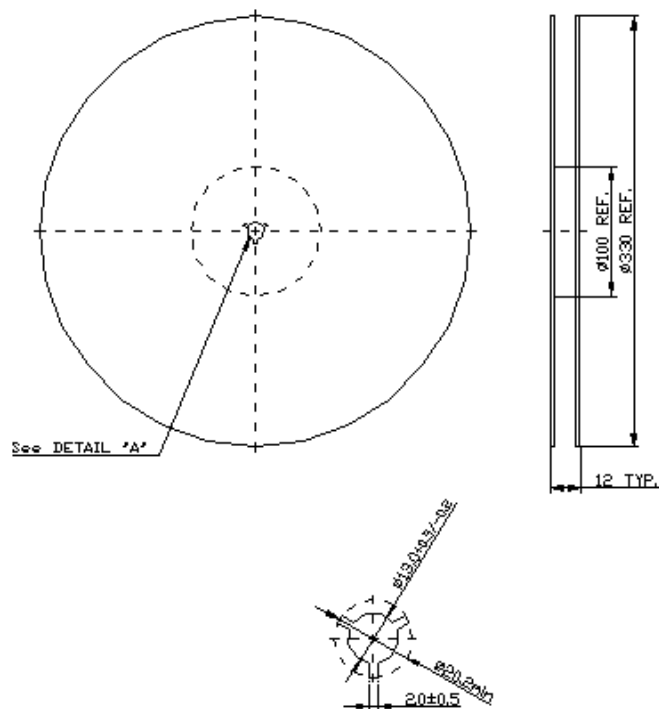


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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

