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
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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

RoHS Compliant
Lead free
Lead-free soldering

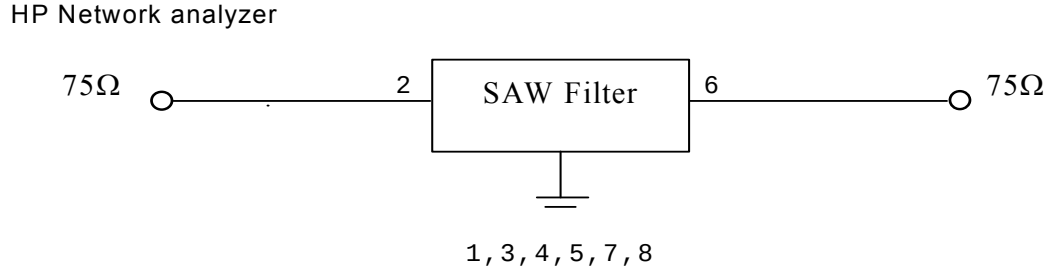
A. MAXIMUM RATING:

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

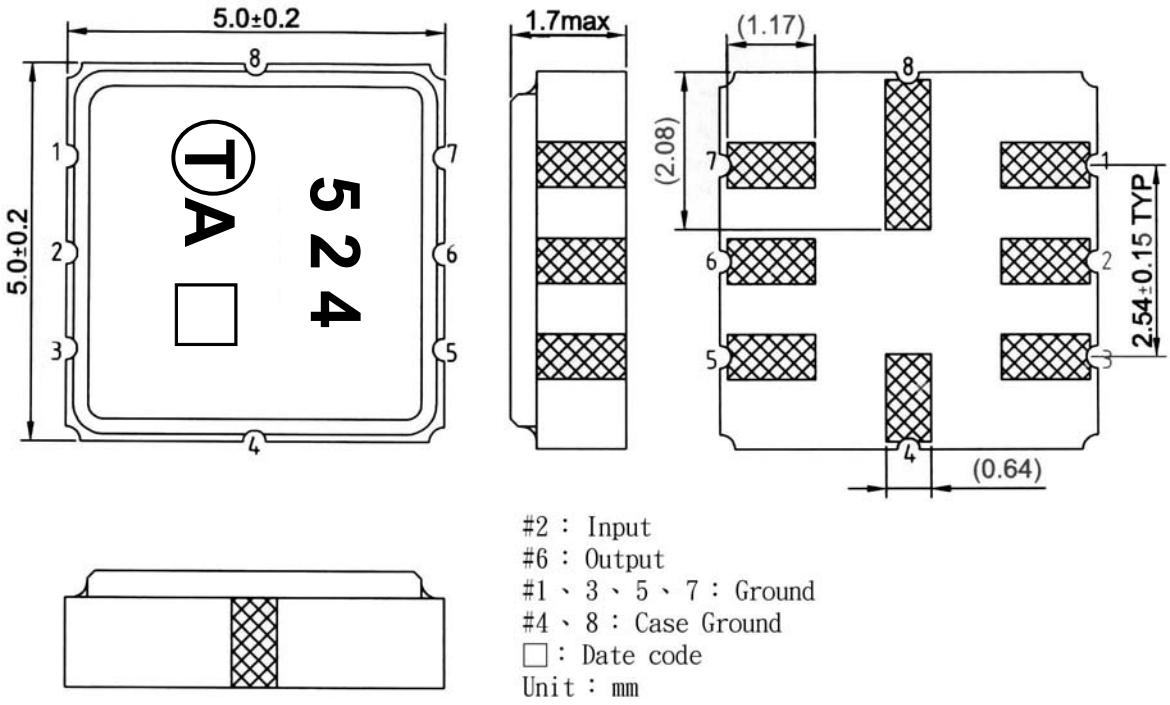
B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Typ.	Max.
Center frequency	**Fo**	MHz	-	499.25	-
Insertion loss at Fo	**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)					
Fo ± 6 MHz		dB	8	18	-
Fo ± 12 MHz		dB	28	38	-
Fo ± 18 MHz		dB	45	50	-
Fo ± 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	Zs	Ω	-	75	-
Load impedance	Z_L	Ω	-	75	-
Temperature Coefficient		ppm/℃	-	-36	-

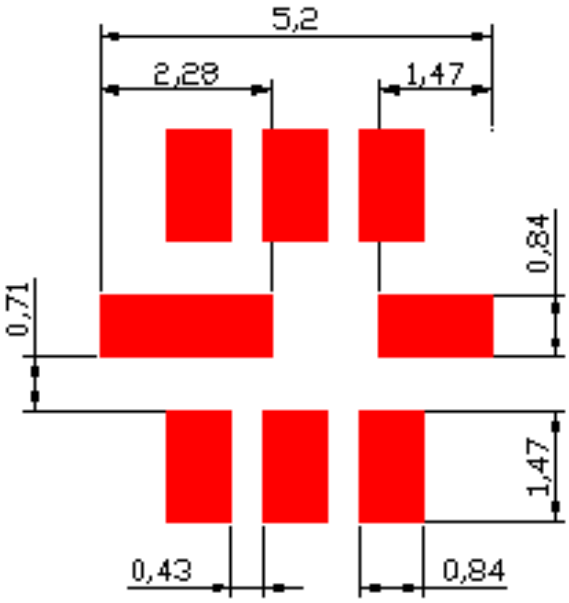
C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:

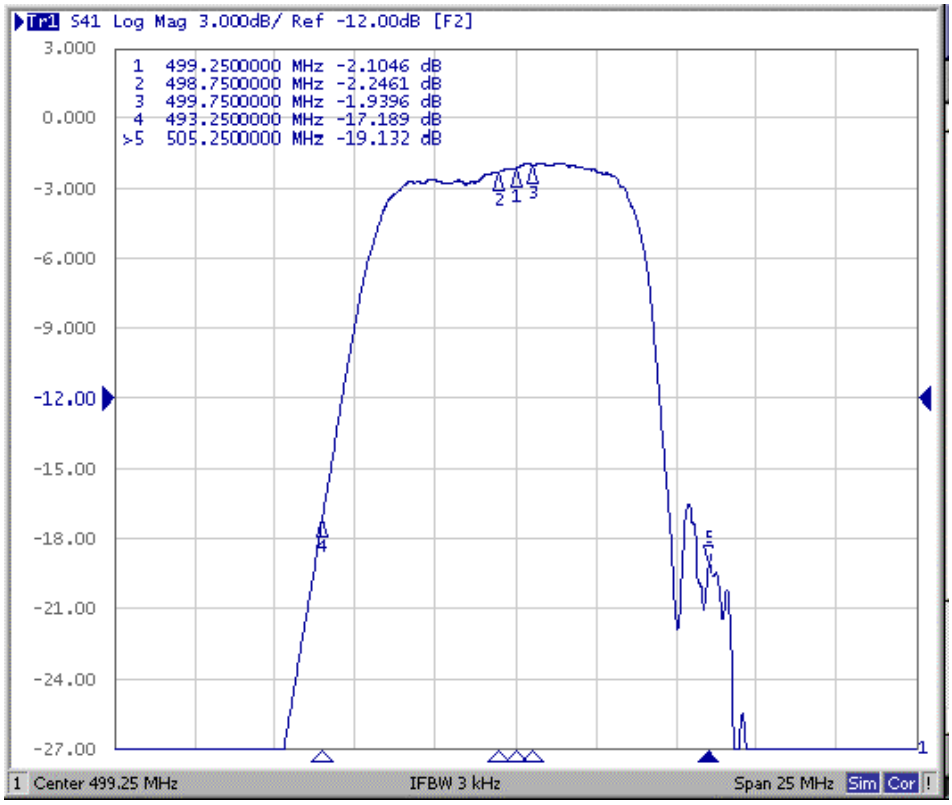


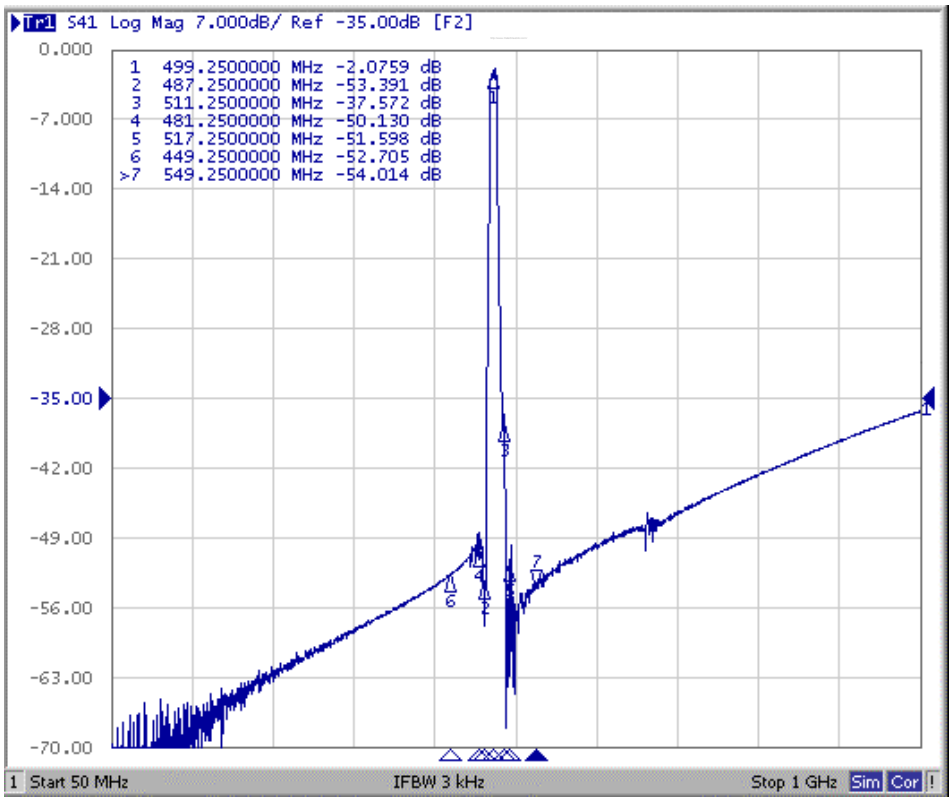
E. PCB Footprint:



F. Frequency Characteristics :

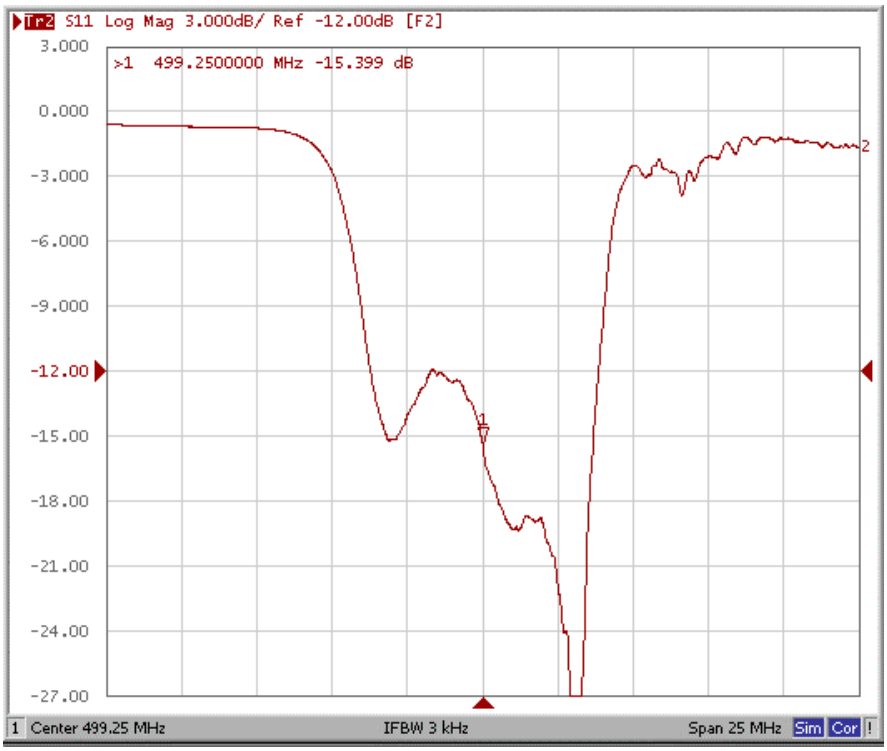
Transfer function



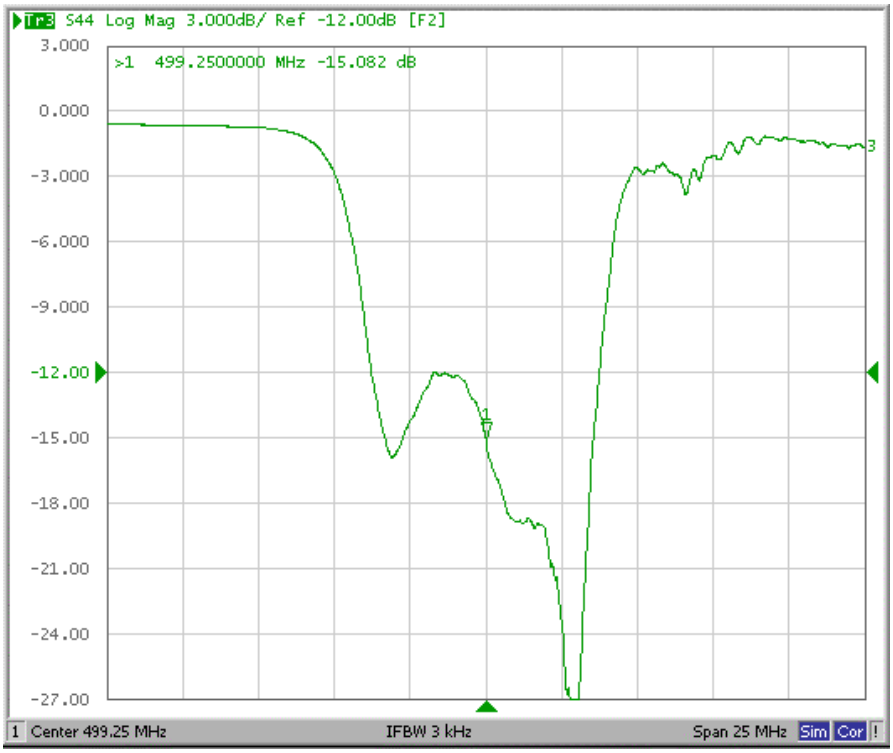


Reflections Functions :

S11

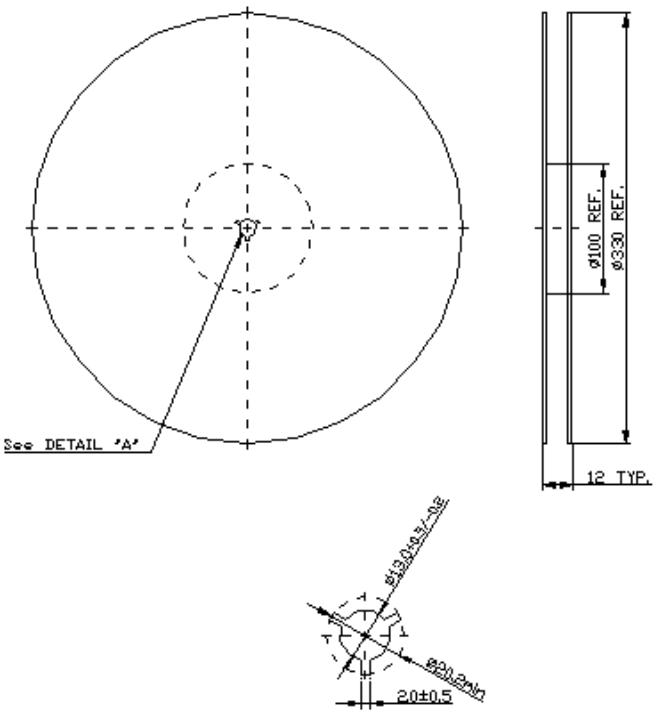


S22

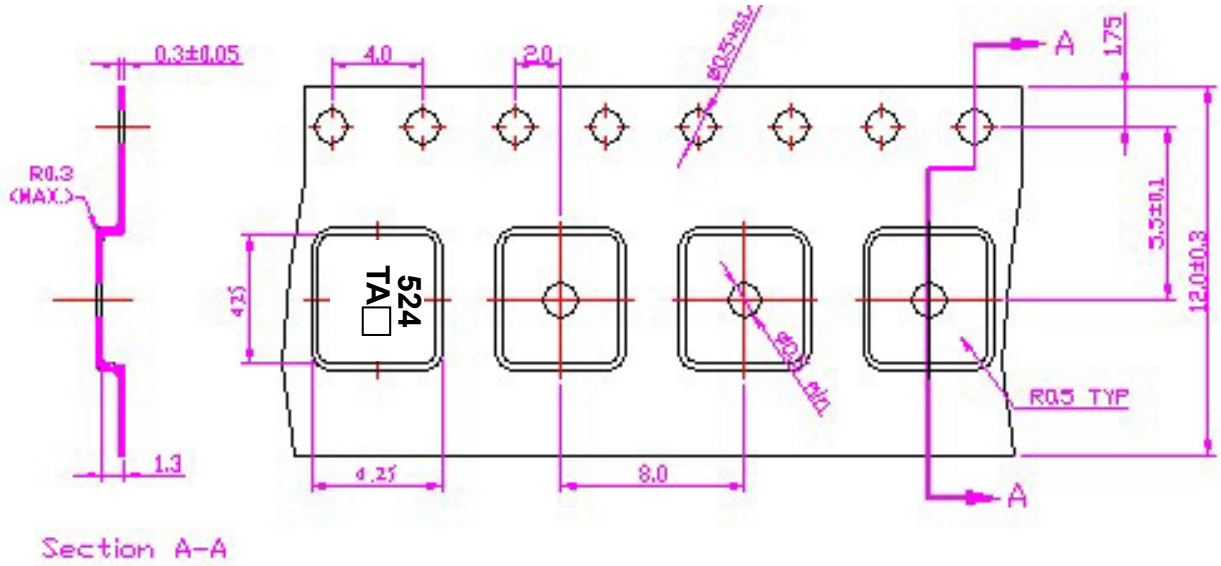


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Direction of Feed