



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:

Product Name: SAW Filter 1575.42 MHz SMD 3X3 mm

TST Parts No.:TA0440A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2005/9/28



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SAW Filter 1575.42 MHz

MODEL NO.: TA0440A

REV. NO.:3

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -50°C to +100°C

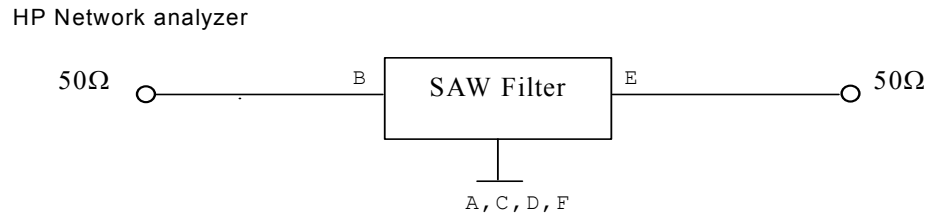
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

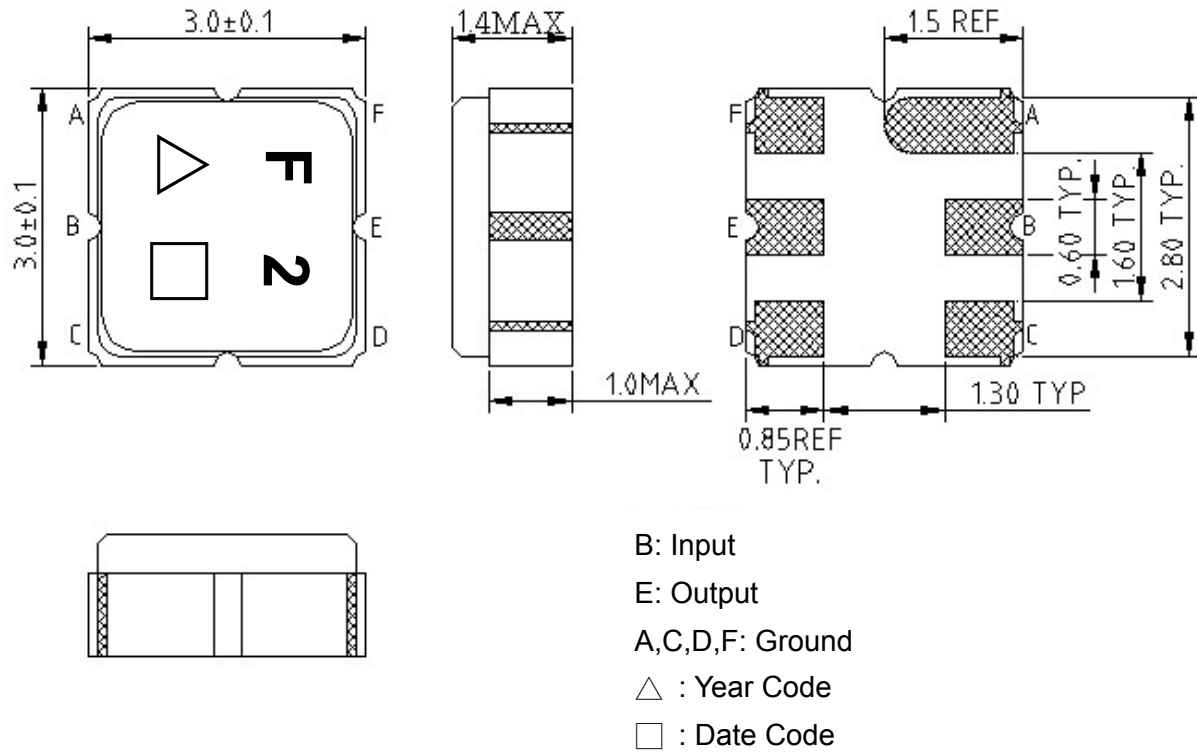
Item			Min.	Typ.	Max.
Center frequency	F_c	(dB)	-	1575.42	-
Insertion loss (1574.42~1576.42 MHz)	IL	(dB)	-	2.9	4.0
Amplitude ripple (1574.42~1576.42 MHz)		(dB)	-	0.1	1.5
Attenuation (Reference level from 0 dB)					
1 ~ 890 MHz		(dB)	40	60	-
890 ~ 1475 MHz		(dB)	36	55	-
1475.42 MHz		(dB)	36	50	-
1535.42 MHz		(dB)	29	50	-
1615.42 MHz		(dB)	25	42	-
1675.42 MHz		(dB)	40	55	-
1700 ~ 3000 MHz		(dB)	25	38	-
Input/Output VSWR (1574.42~1576.42 MHz)			-	1.55	2.5
Source impedance	Z_s	(Ω)	-	50	-
Load impedance	Z_L	(Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

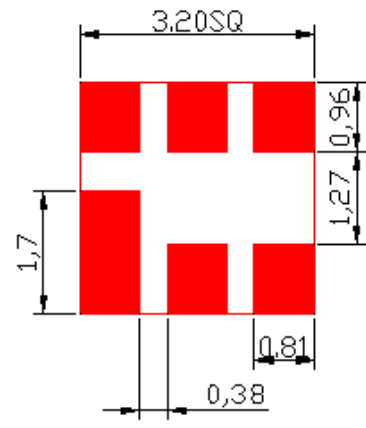
C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:

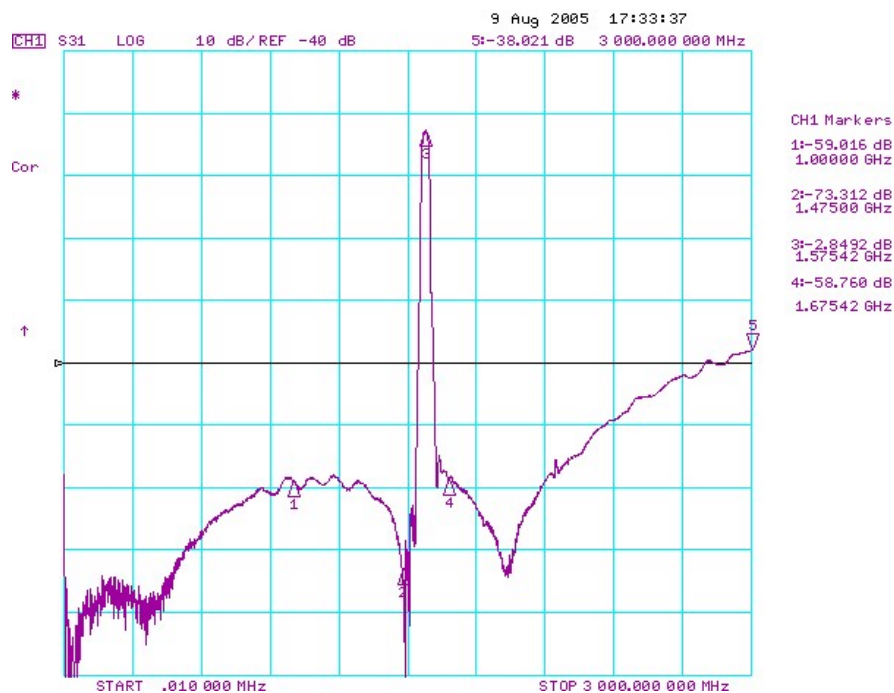
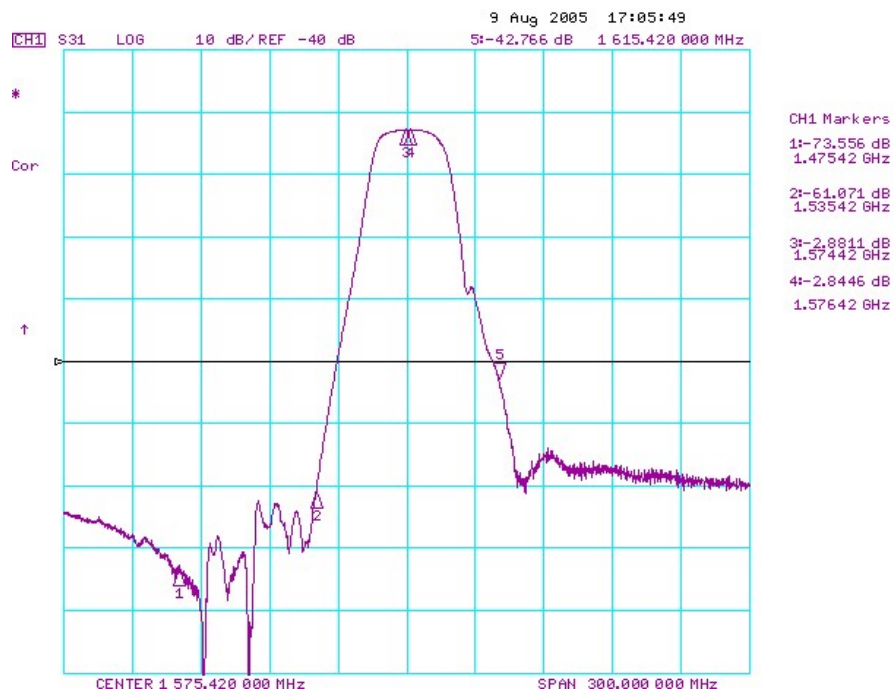


E. PCB FOOTPRINT:



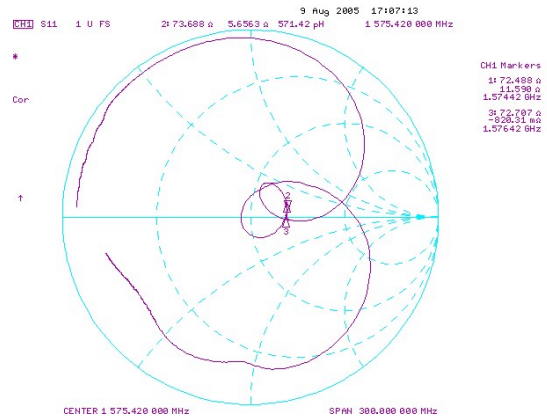
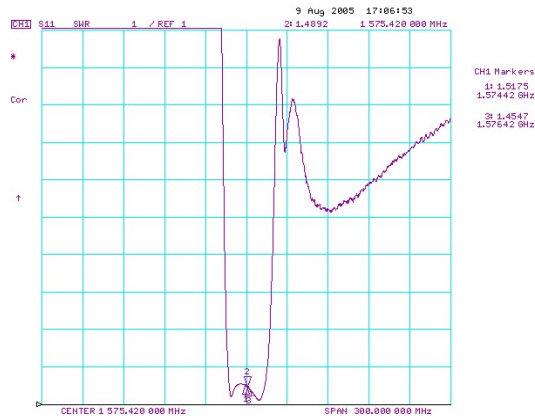
F. FREQUENCY CHARACTERISTICS:

Transfer function

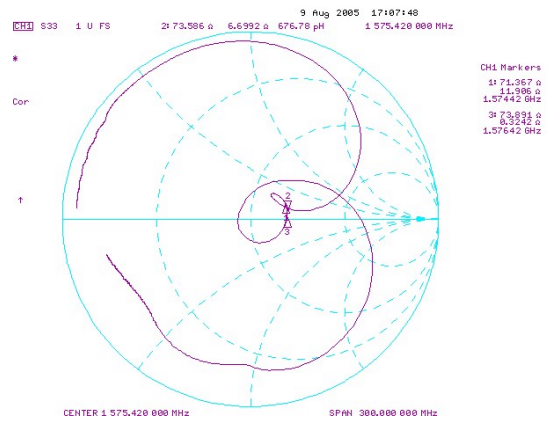
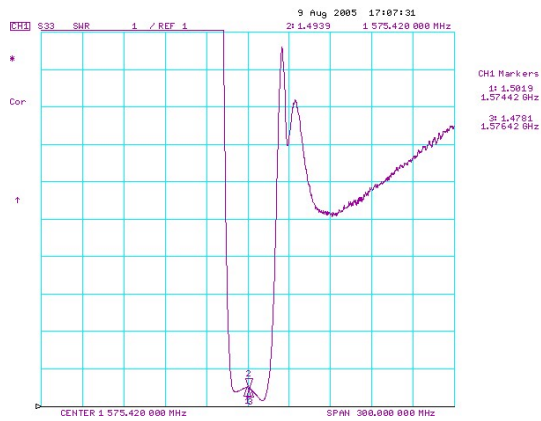


Reflection Functions :

S11

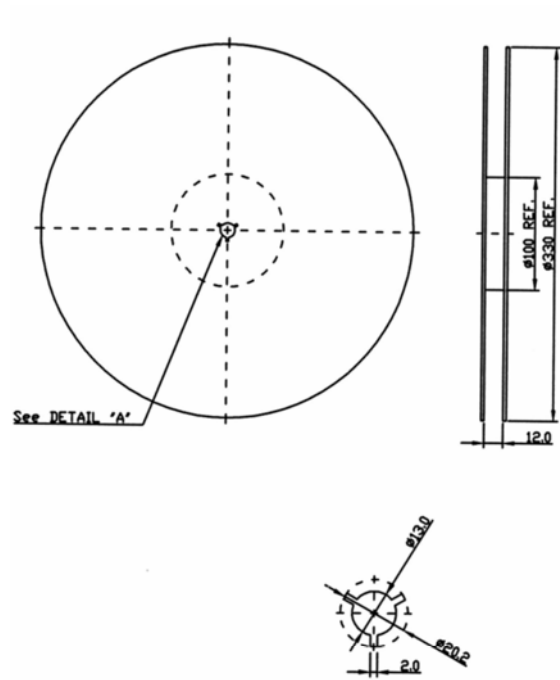


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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

