



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 1575.42 MHz SMD 3X3 mm

TST Parts No.:TA0449A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Elvis Chiu

Approval by:_____ Francis Chen

Date:_____ 2005/03/08



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SAW Filter 1575.42 MHz for GPS

MODEL NO.: TA0449A

REV. NO.:1

A. MAXIMUM RATING:

1. Operating Temperature: -30°C ~ +85°C

2. Storage Temperature: -40°C ~ +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. CHARACTERISTICS :

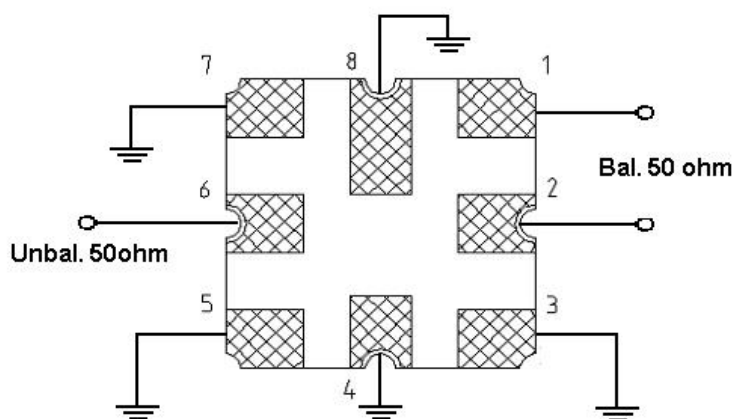
Singled to Balanced operation

Terminating source impedance : $Z_s = 50 \Omega$ unbal.

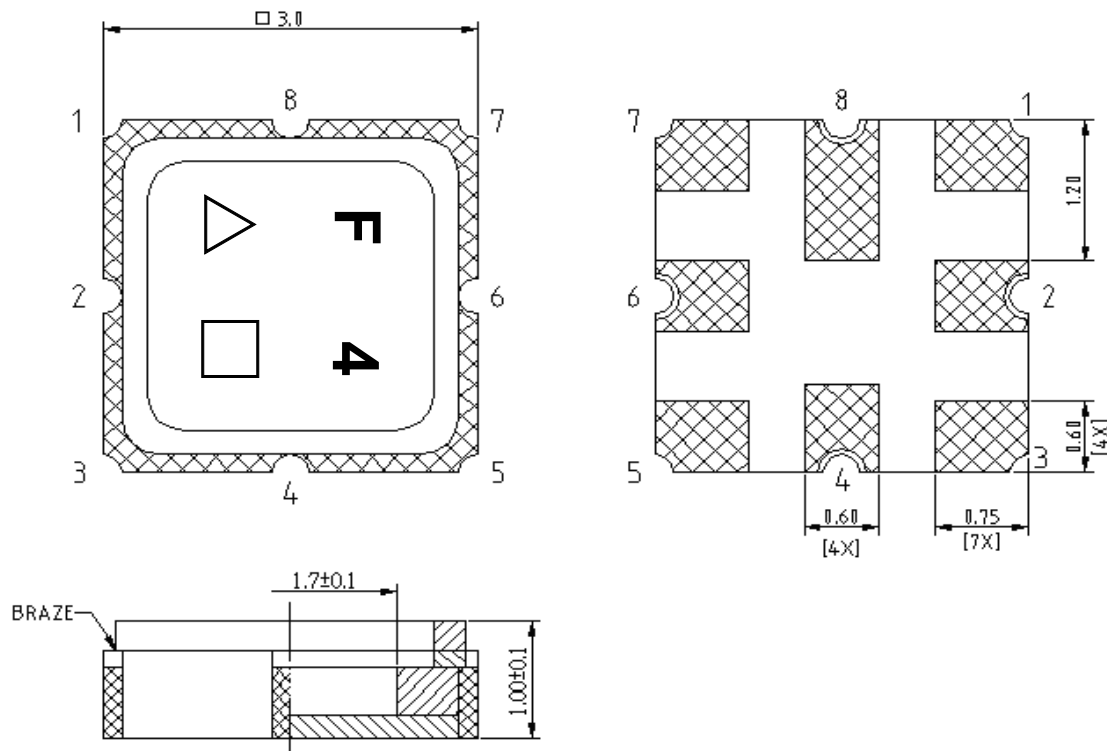
Terminating load impedance : $Z_L = 50 \Omega$ bal.

Item			Min.	Typ.	Max.
Center frequency F_c (dB)			-	1575.42	-
Insertion loss	1574.22~1576.62 MHz	(dB)	-	1.9	2.8
Amplitude ripple	1574.22~1576.62 MHz	(dB)	-	0.2	1.0
Attenuation (Reference level from 0 dB)					
1000 ~ 1450	MHz	(dB)	30	35	-
1450 ~ 1520	MHz	(dB)	20	25	-
1625 ~ 1640	MHz	(dB)	16	28	-
1640 ~ 1710	MHz	(dB)	25	32	-
1710 ~ 1805	MHz	(dB)	35	43	-
1805 ~ 1910	MHz	(dB)	35	43	-
1910 ~ 2000	MHz	(dB)	35	43	-

C. MEASUREMENT CIRCUIT:



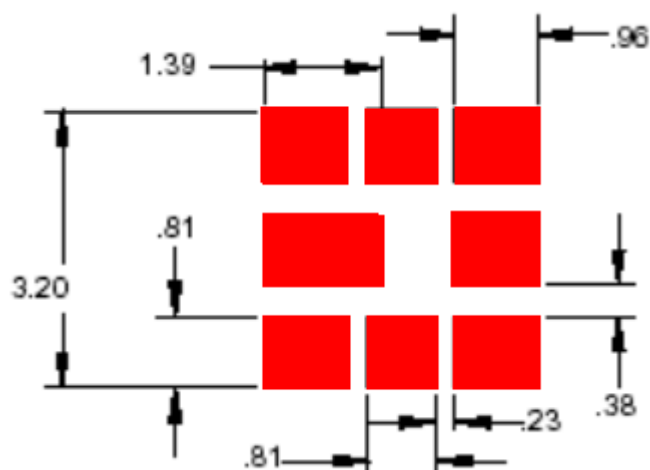
D. OUTLINE DRAWING:



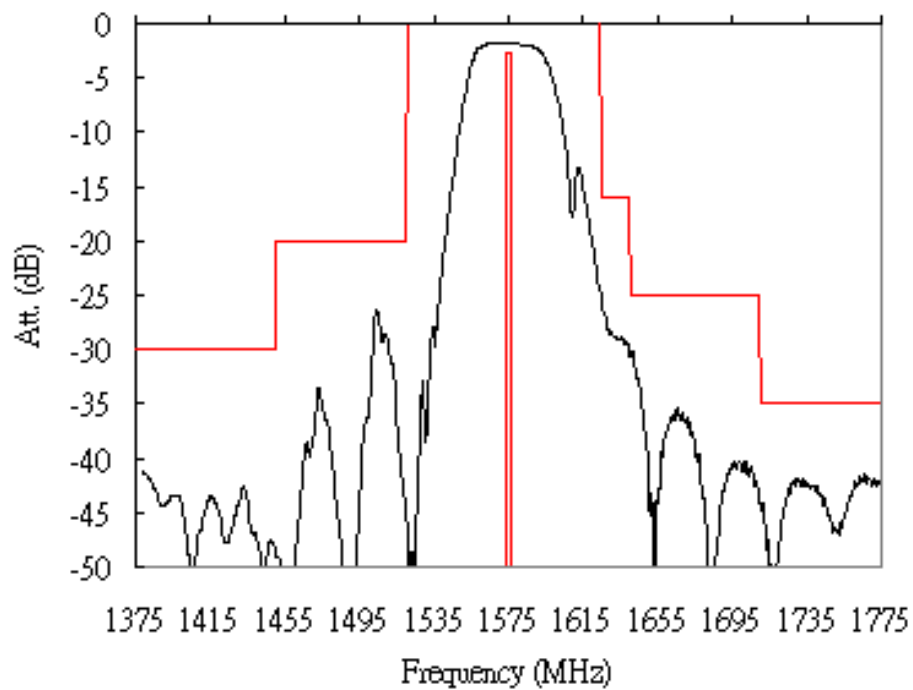
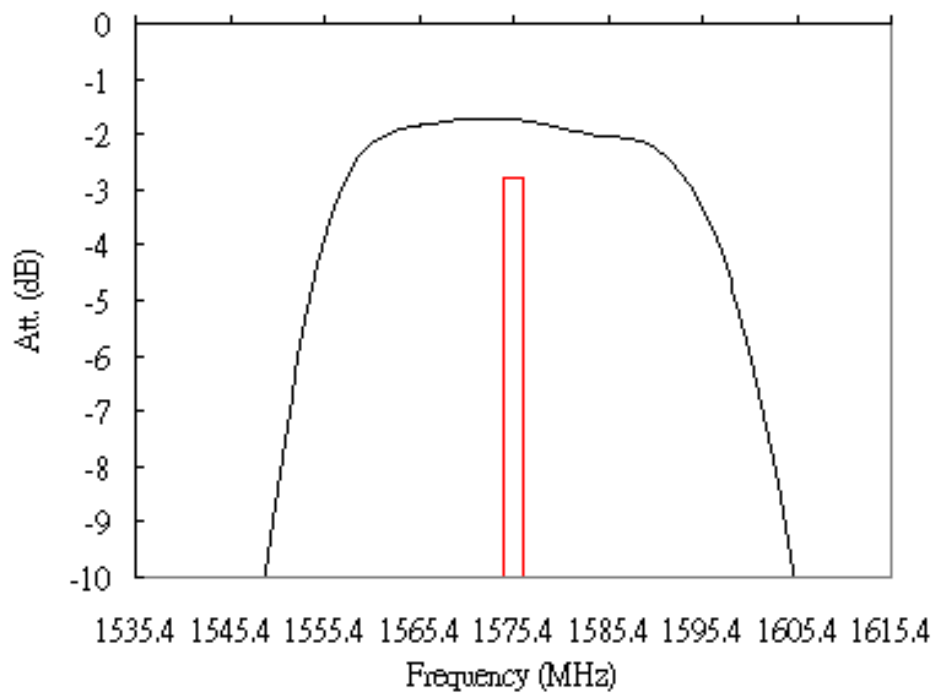
Pin configuration

6	Input, unbalanced
7	Input ground
1,2	Output, balanced
3,4,5,8	Case ground
△	Year code
□	Date code

E. PCB FOOTPRINT:

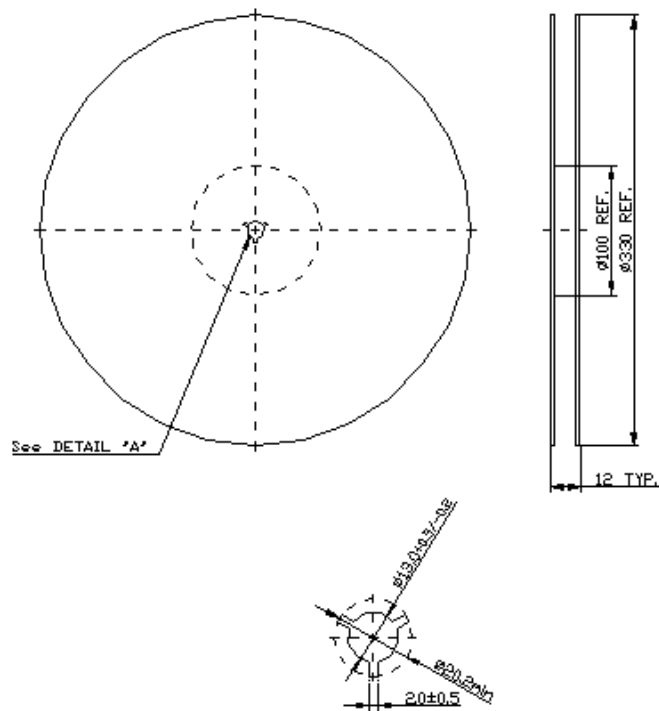


F. Frequency Characteristics :
Transfer function



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

