



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 1030MHz SMD 3.8x3.8 mm

TST Parts No.:TA0177A

Customer Parts No.:_____

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

Checked by: _____ Anne Chen

Approval by: _____ Francis Chen

Date: _____ 2007/09/19



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SAW Filter 1030 MHz

MODEL NO.: TA0177A

REV. NO.:5

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -45°C to +85°C
4. Storage Temperature: -40°C to +85°C

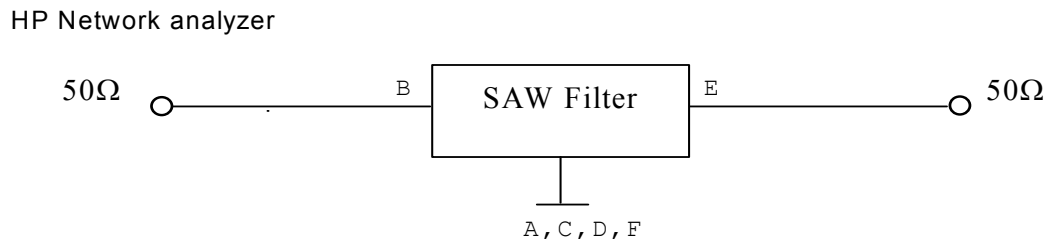
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

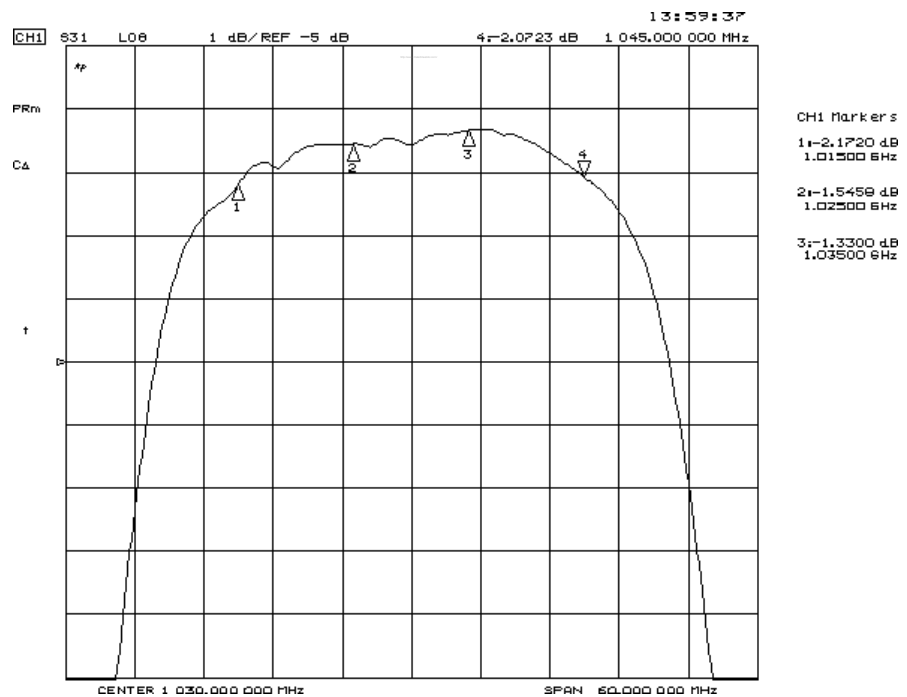
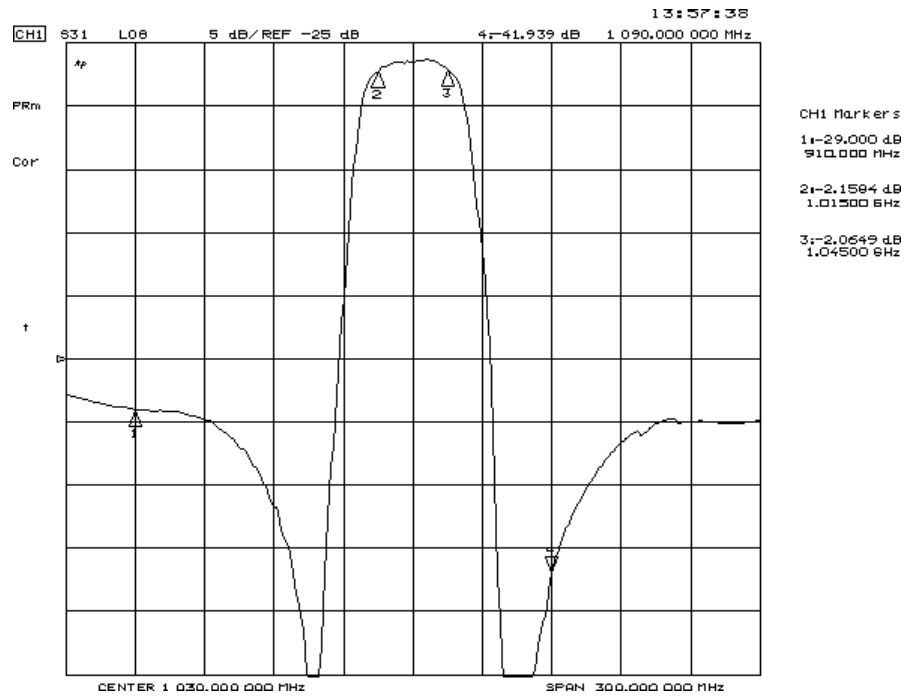
Characteristics	(at 25°C)	Min.	Typ.	Max.
Center frequency	F_c (dB)	-	1030	-
Insertion loss within 1015 ~1045 MHz	IL (dB)	-	2.3	3.0
Amplitude ripple (p-p) within 1025 ~ 1035 MHz	(dB)	-	0.25	1.0
Attenuation (Reference level from 0 dB)				
DC ~ 910 MHz	(dB)	25.0	29.5	-
1090 ~ 1300 MHz	(dB)	25.0	32.5	-
VSWR within 1015 ~1045 MHz		-	1.8	2.1
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

Note1. No matching network required for operation at 50 Ω

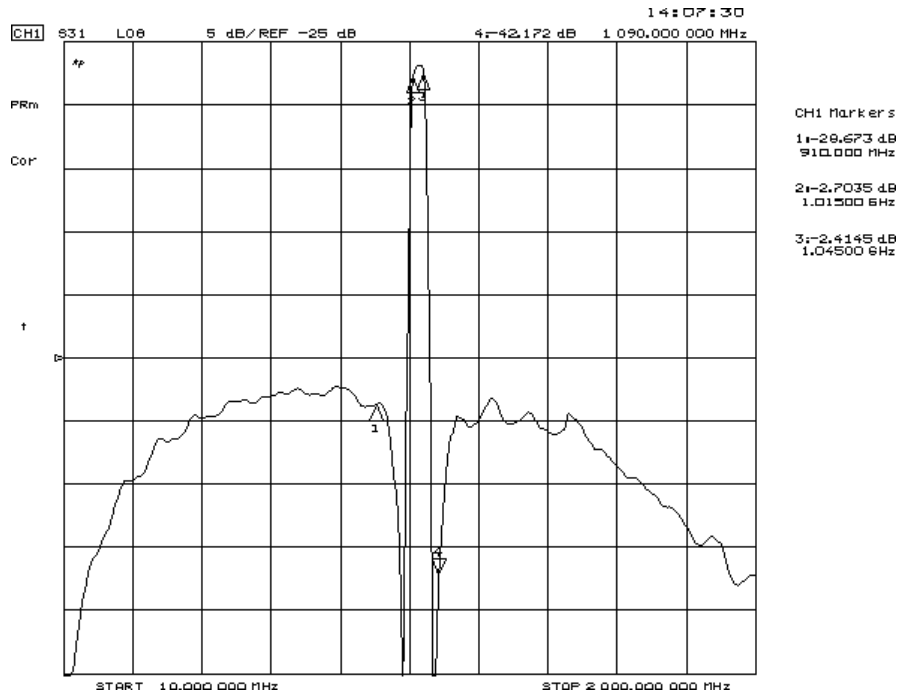
C. MEASUREMENT CIRCUIT:



D. Frequency Characteristics :

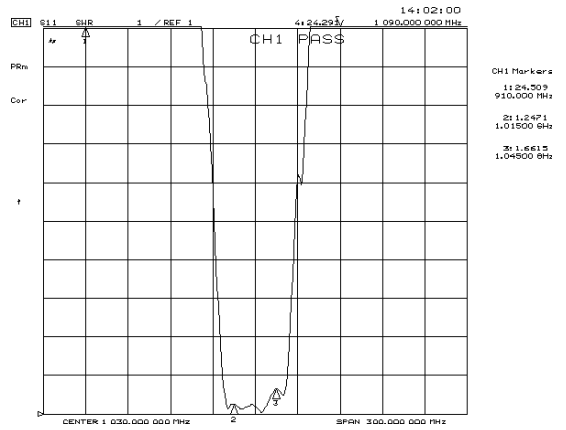
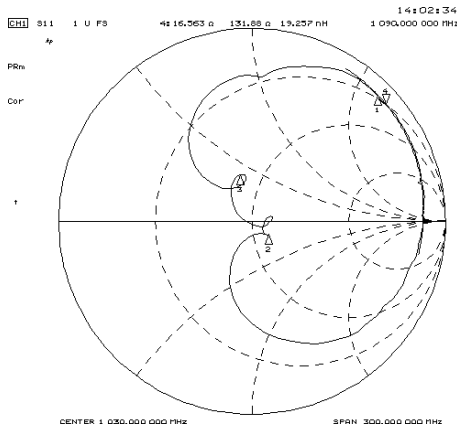


(wideband)

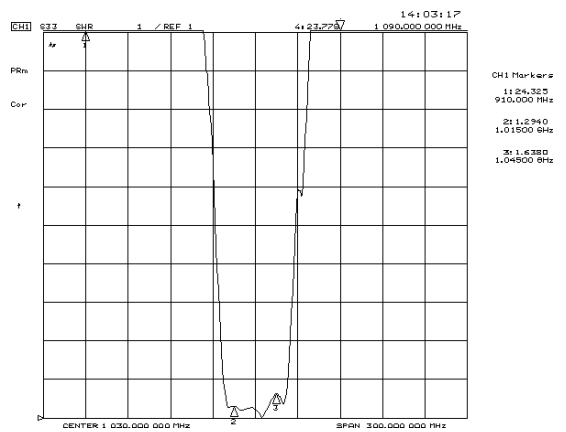
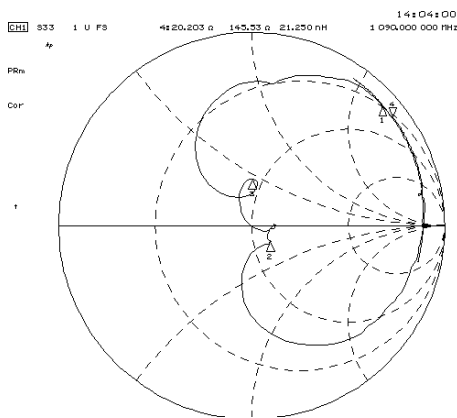


E.Reflections Functions :

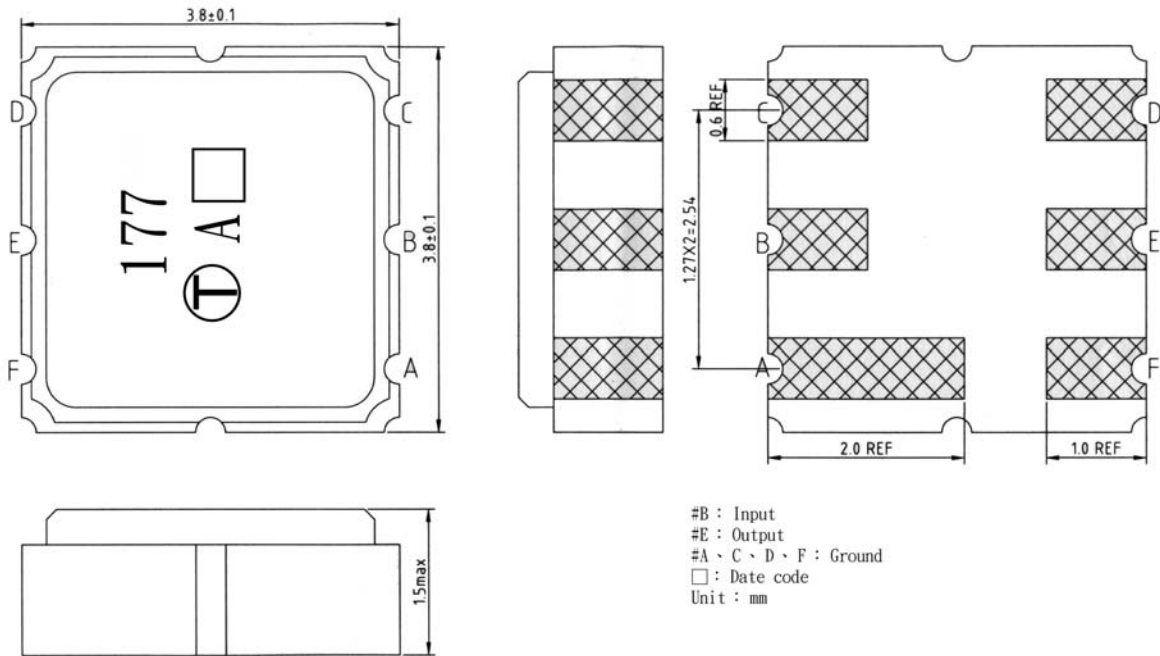
S11:



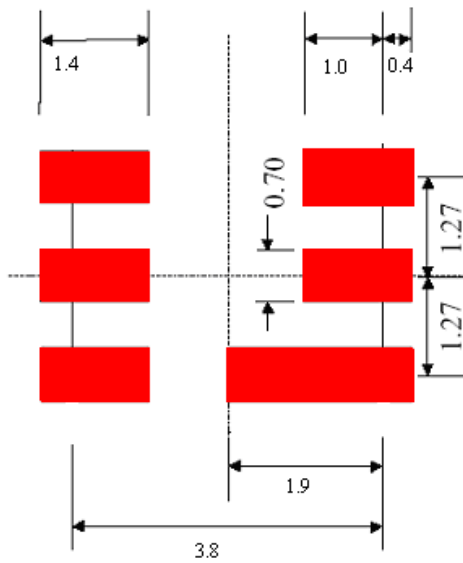
S22:



F.OUTLINE DRAWING:

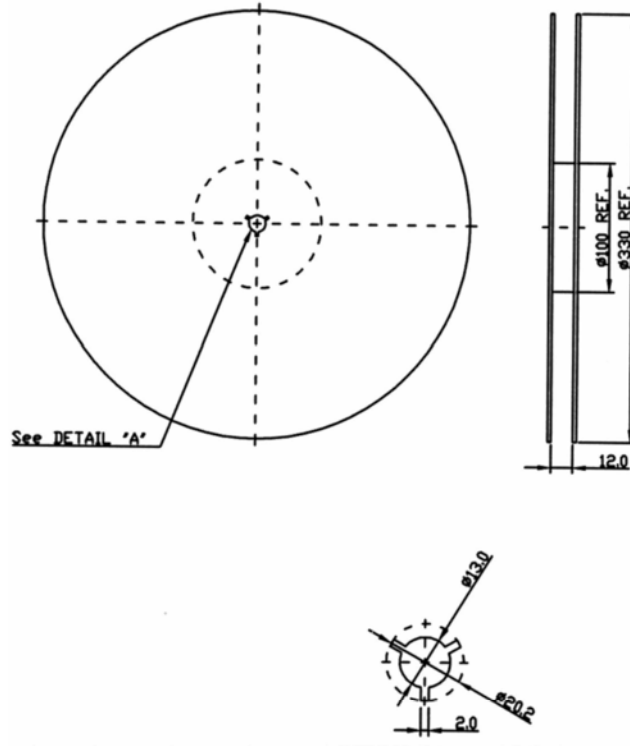


G. PCB Footprint:

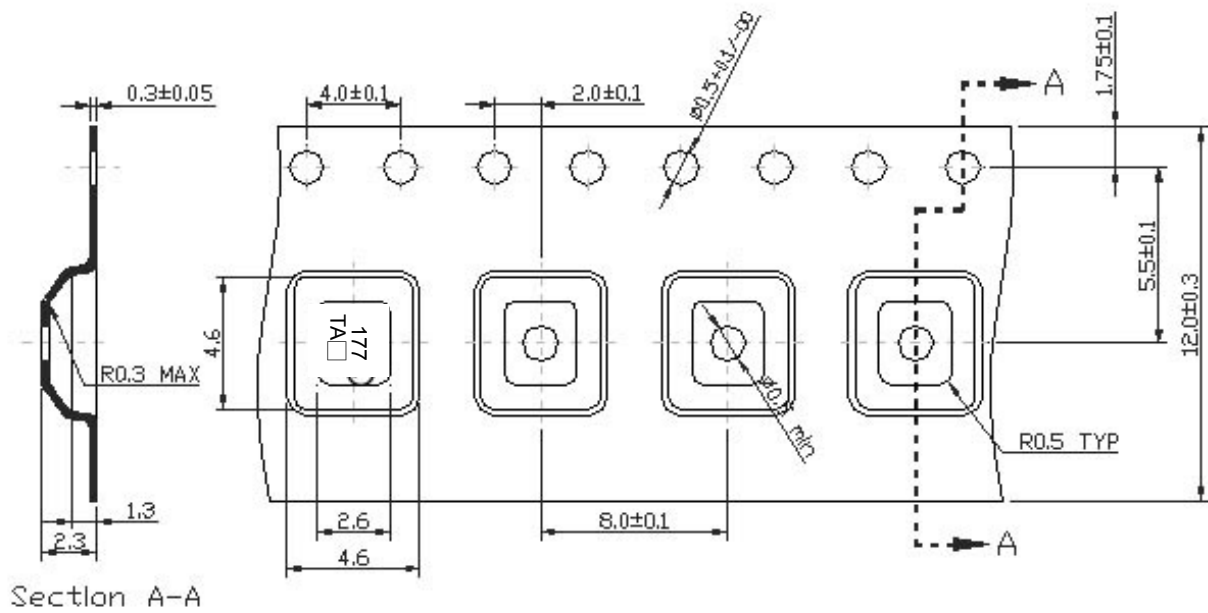


H. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



I. RECOMMENDED REFLOW PROFILE :

