



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 1090 MHz

TST Parts No.: TA1090EC

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ Sep. 28. 2006



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SAW Filter 1090 MHz

MODEL NO.: TA1090EC

REV. NO.:2

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

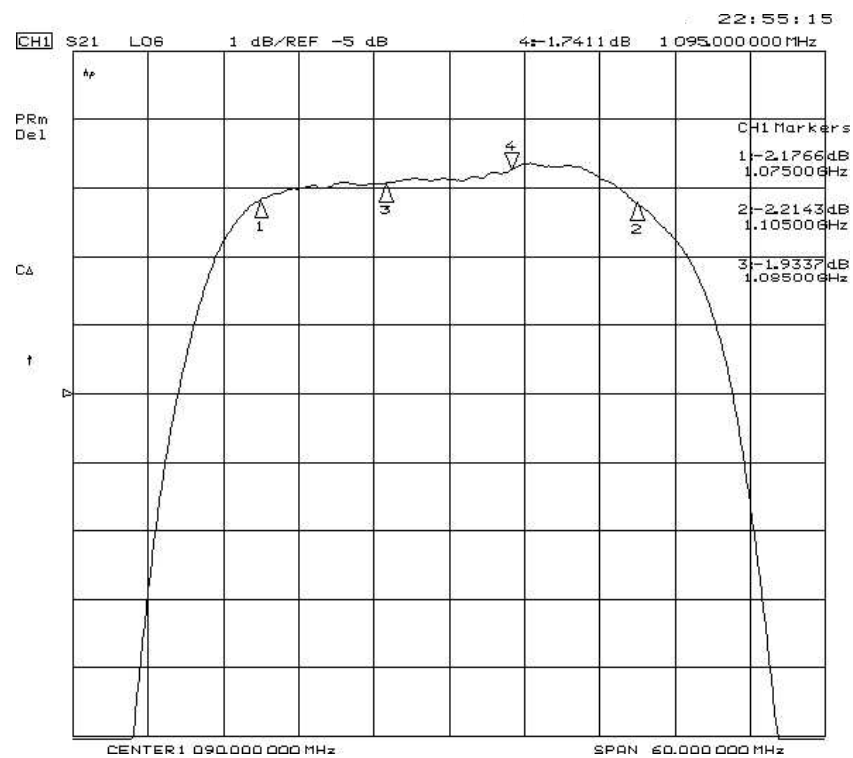
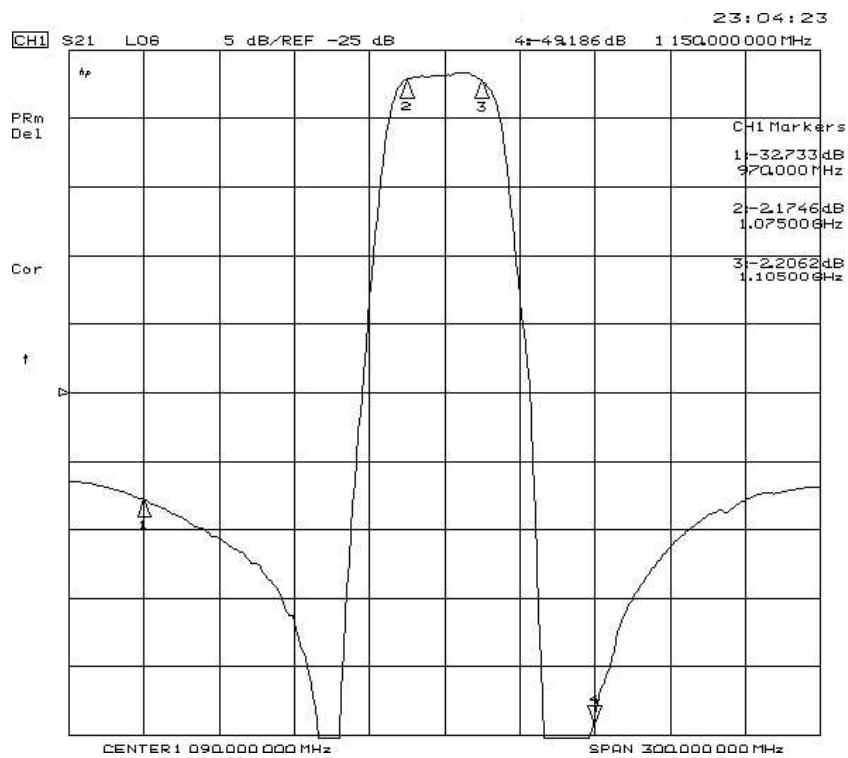
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

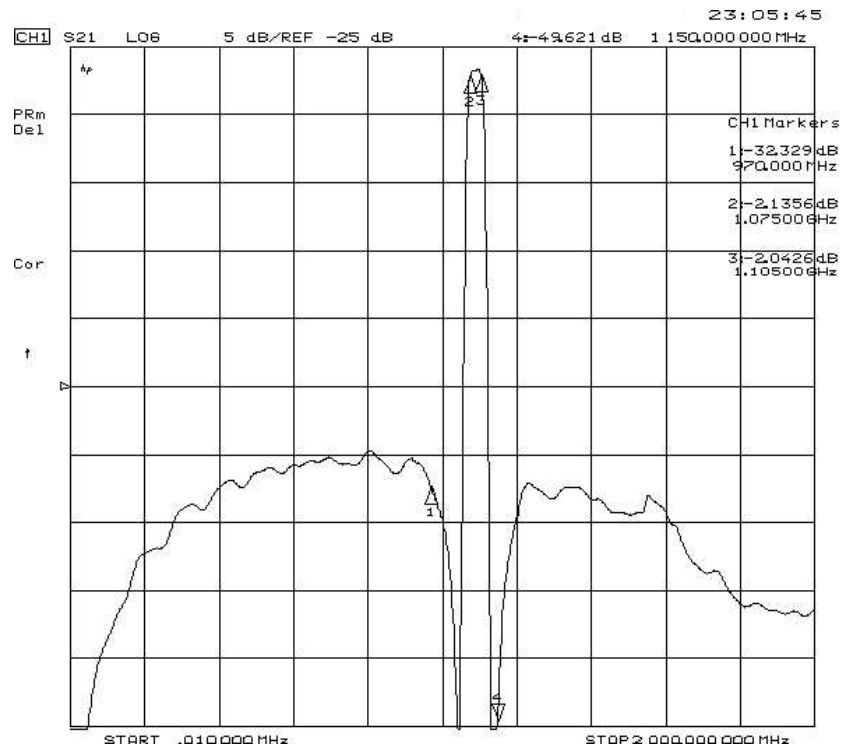
Characteristics (at 25°C)	Min.	Typ.	Max.
Center frequency F_c (dB)	-	1090	-
Insertion loss within 1075 ~1105 MHz IL (dB)	-	2.3	3.0
Amplitude ripple (p-p) within 1085 ~ 1095 MHz (dB)	-	0.25	0.5
Attenuation (Reference level from 0 dB) DC ~ 970 MHz (dB)	25.0	30	-
1150 ~ 1300 MHz (dB)	25.0	33.5	-
VSWR within 1075 ~1105 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. Frequency Characteristics :

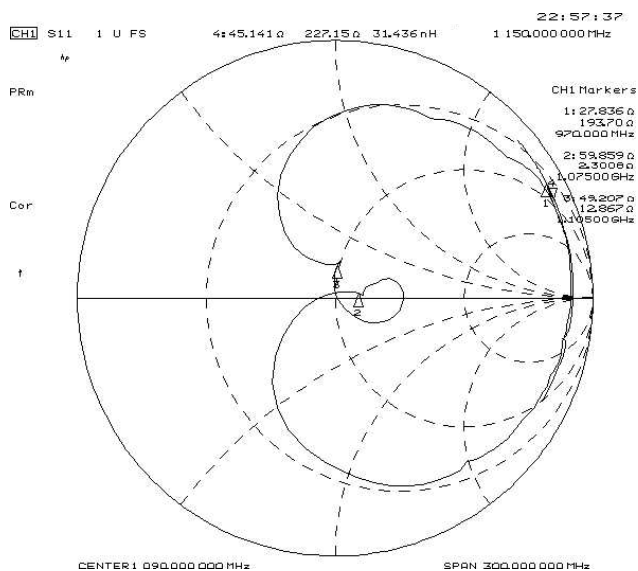


(wideband)

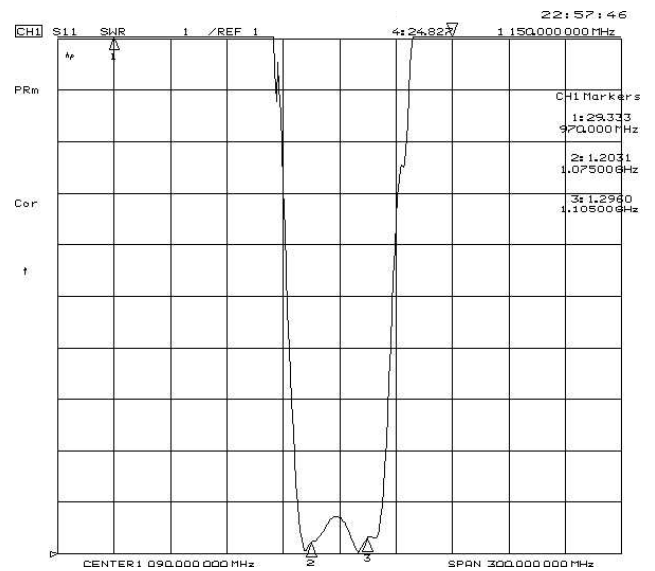


D. Reflections Functions :

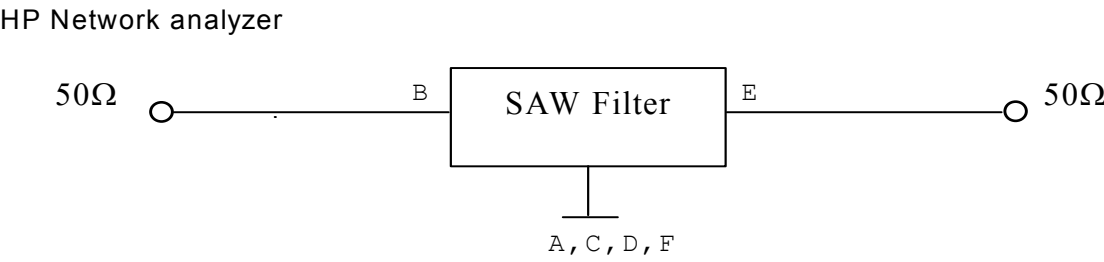
Smith Chart



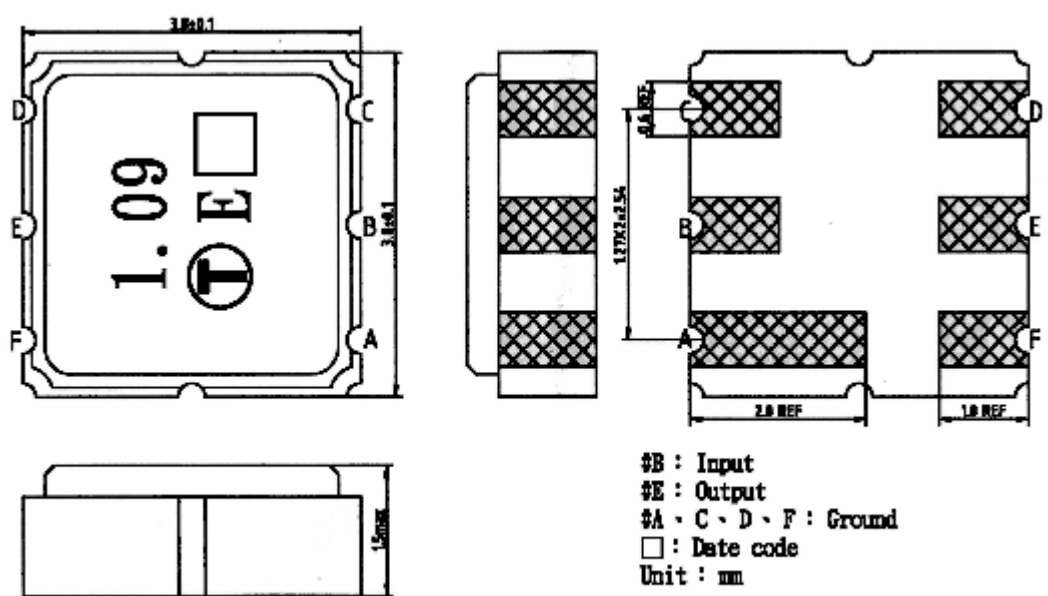
VSWR



E. MEASUREMENT CIRCUIT:

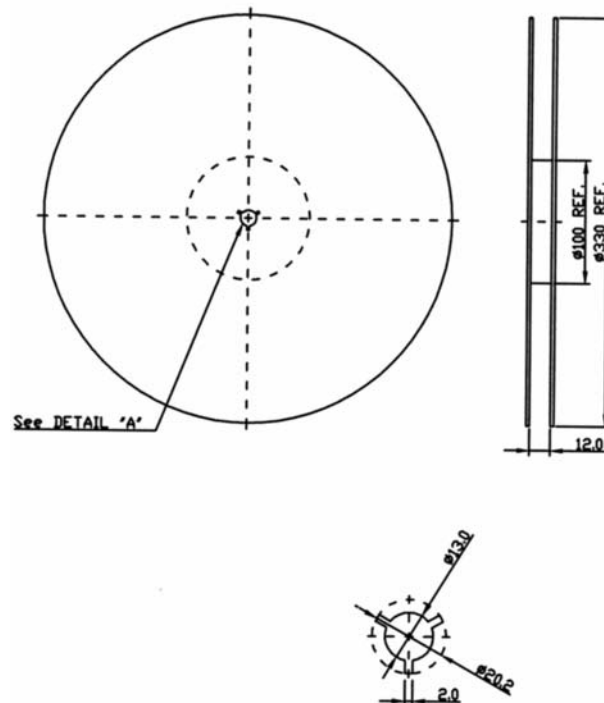


F.OUTLINE DRAWING:



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

