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: 2004/07/30

Product Name: SAW Filter 171MHz

TST Parts No.:TA0181A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Asin Lin_____

Approval by:_____Francis Chen_____

Date:_____2004/07/30_____

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SAW Filter 171 MHz

MODEL NO.: TA0181A REV. NO.:3

A. MAXIMUM RATING:

1.Input Power Level: 0 dB_m

2.DC voltage: 10 V

3.Operating Temperature: -10°C to +50°C

4.Storage Temperature: -40°C to +85°C

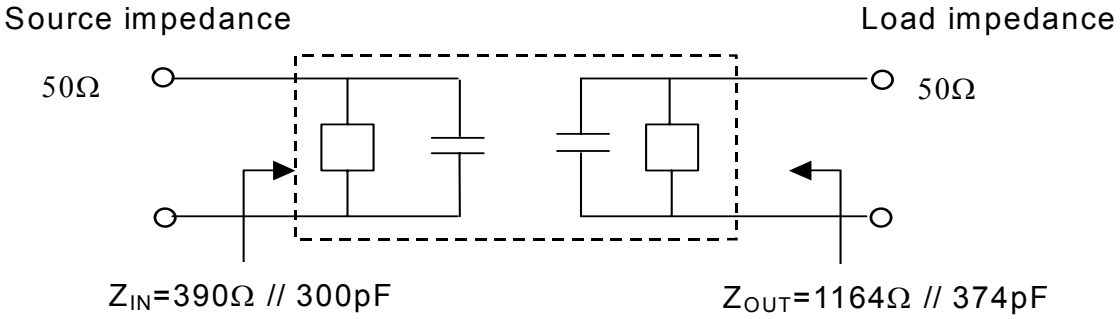
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

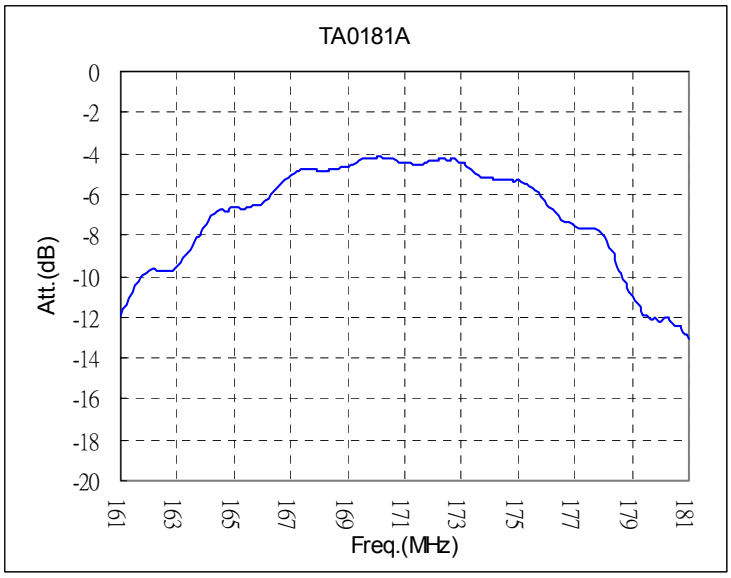
Characteristics	Specification	Note
Center frequency **F_C** (MHz)	171	1
I.L. (Within F_C± 4 MHz)	6.5 Max.	
Amplitude Ripple, **A.R.** (Within F_C± 4 MHz) (dB)	2.1 Max.	
Attenuation:(Reference level from 0 dB) (dB) **F_C** - 100MHz to -38.8MHz (dB) **F_C** +38.8MHz to + 100MHz (dB)	 50 Min. 42 Min.	 1
Impedance at **F_C** ; Input $Z_{IN}=R_{IN}//C_{IN}$ Output $Z_{OUT}=R_{OUT}//C_{OUT}$	390 Ω // 300 pF 1164 Ω // 374 pF	2 2

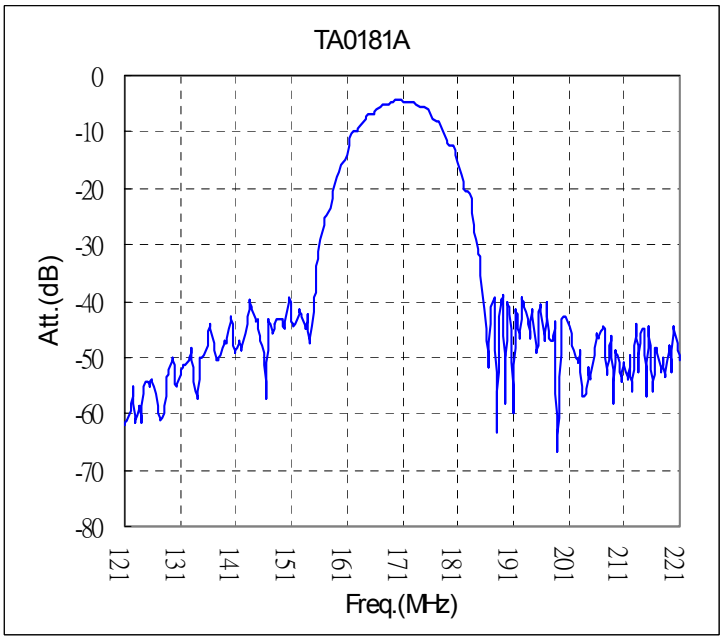
Note1. The standard definitions is in JIS C 6703

Note2.

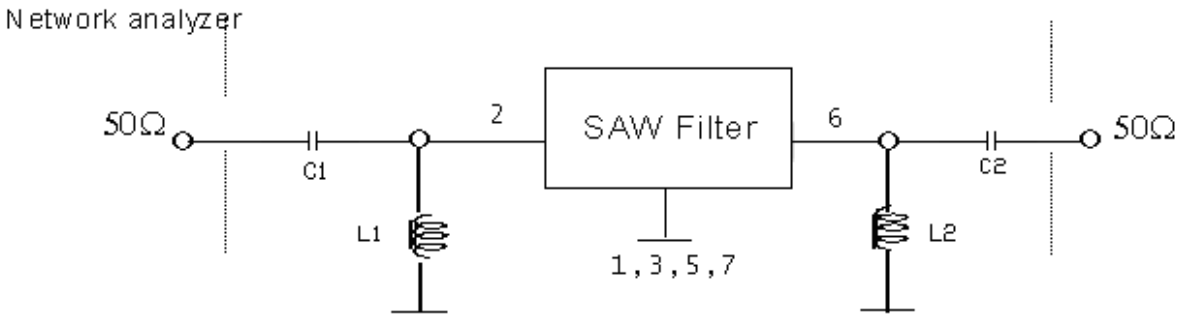


C. Frequency Characteristics :



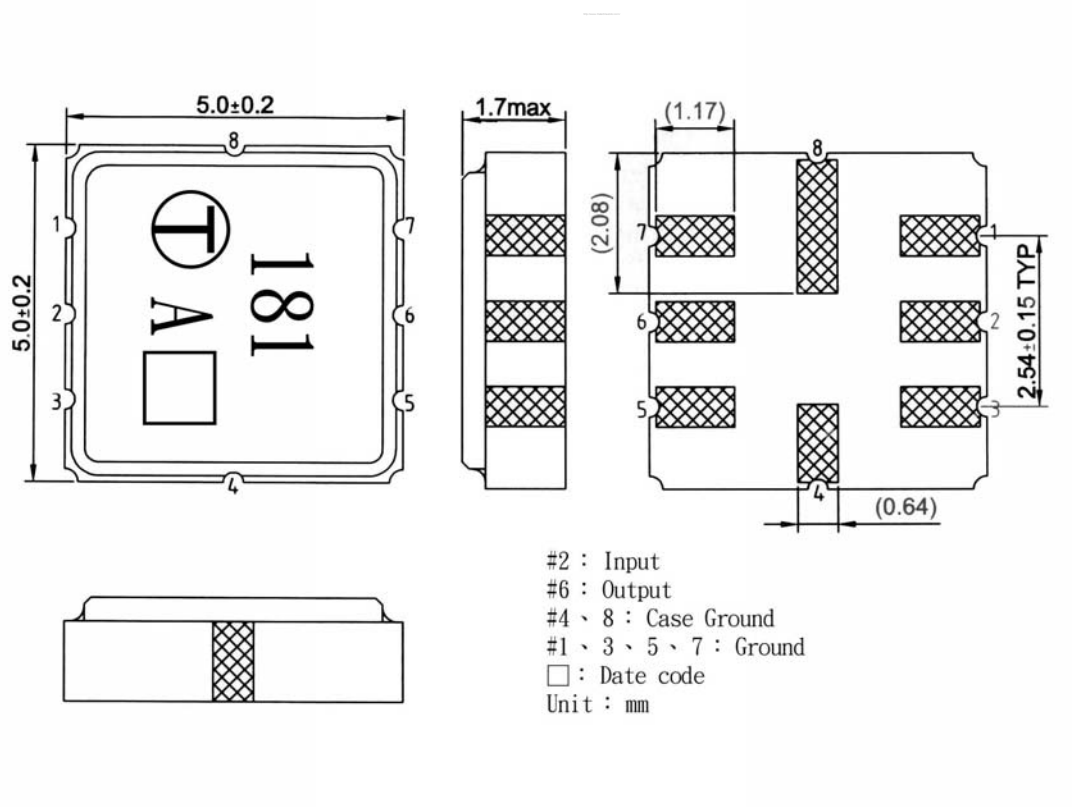


D. MEASUREMENT CIRCUIT:



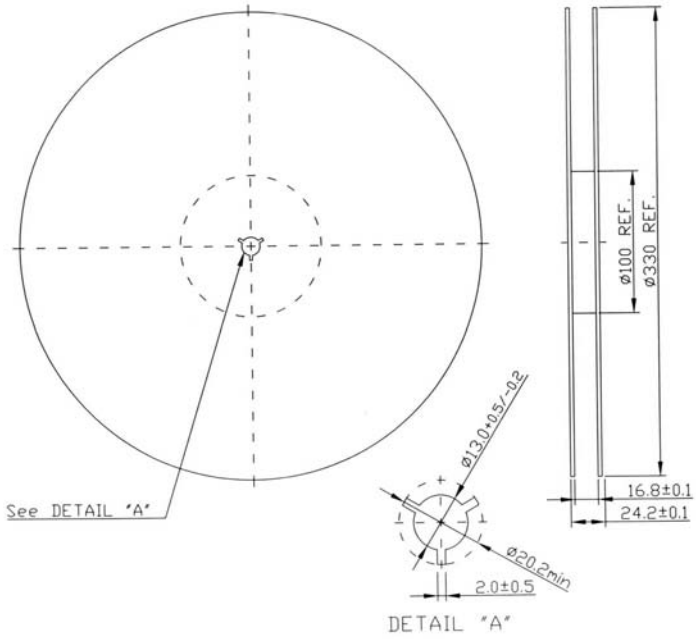
C1 = 10 pF L1 = 37 nH
C2 = 8 pF L2 = 40 nH

E.OUTLINE DRAWING:



F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION