



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: 2004/07/30

Product Name: SAW Filter 139 MHz

TST Parts No.: TA0245A

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 139 MHz

MODEL NO.: TA0245A

Rev. No.:2

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

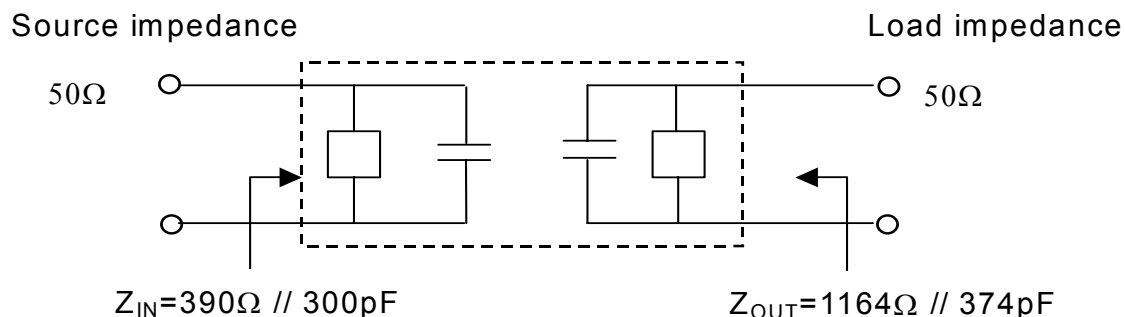
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL SPECIFICATION:

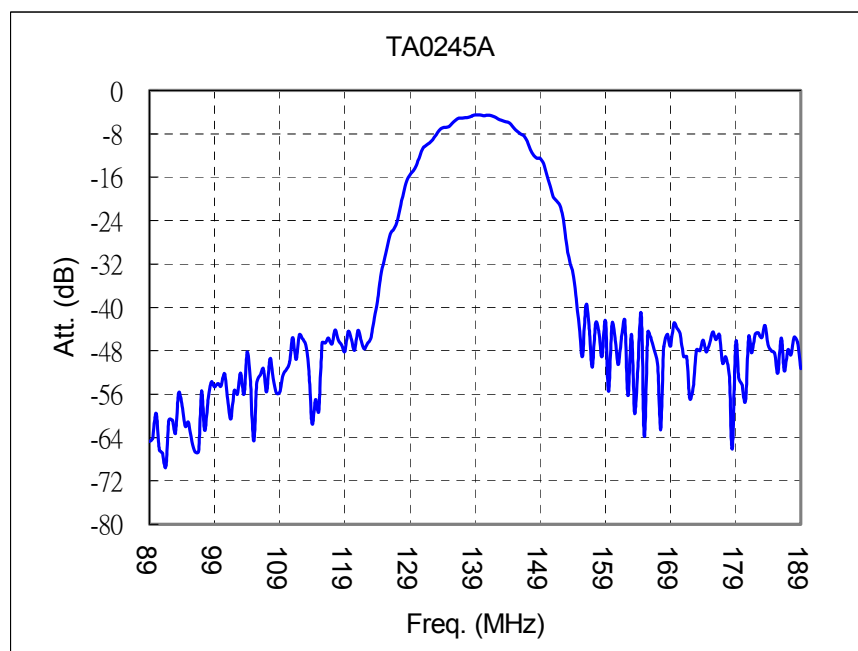
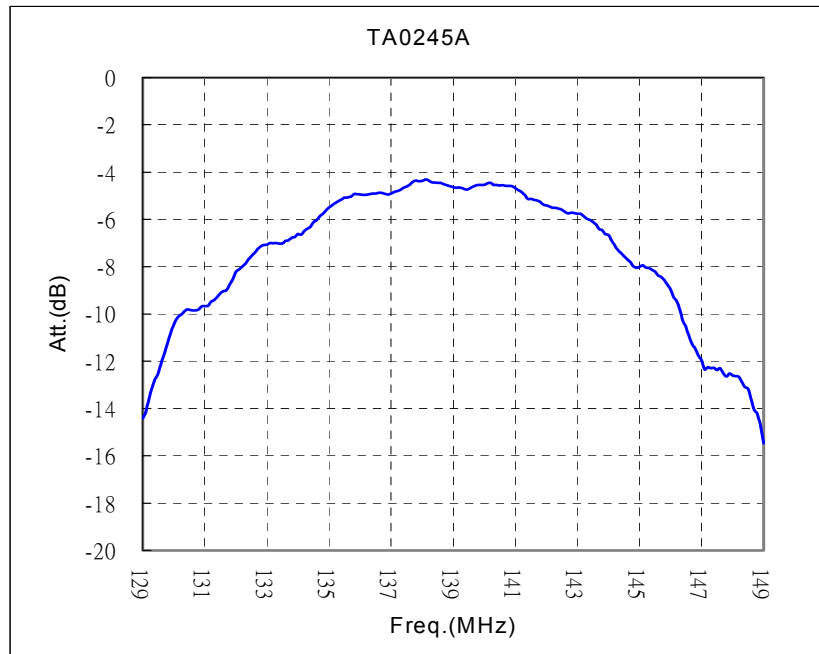
Characteristics	Specification	Note
Center frequency, F_c (MHz)	139	1
Insertion Loss, I.L. (Within $F_c \pm 4$ MHz) (dB)	6.5 Max.	1
Amplitude Ripple, A.R. (Within $F_c \pm 4$ MHz) (dB)	2.1 Max.	
Attenuation: (Reference level from 0 dB) (dB)		
$F_c - 100$ MHz to -38.8MHz (dB)	50 Min.	1
$F_c + 38.8$ MHz to + 100MHz (dB)	42 Min.	
Impedance at F_c ; Input $Z_{IN} = R_{IN} // C_{IN}$	390 Ω // 300 pF	2
Output $Z_{OUT} = R_{OUT} // C_{OUT}$	1164 Ω // 374 pF	2

Note1. The standard definitions is in JIS C 6703

Note2.

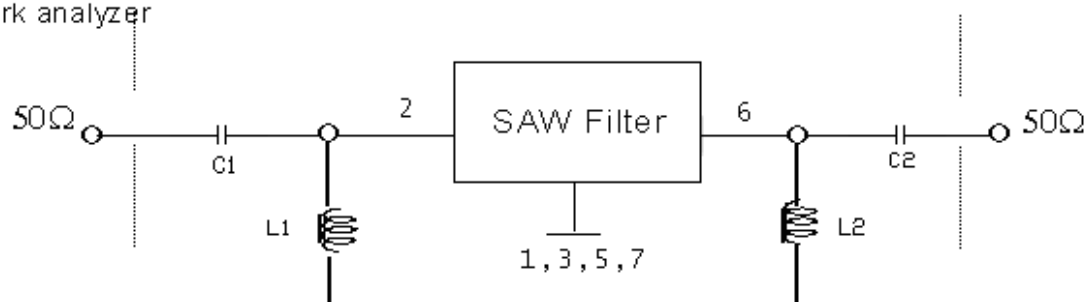


C.FREQUENCY CHRACTERISTICS:



D. MEASUREMENT CIRCUIT:

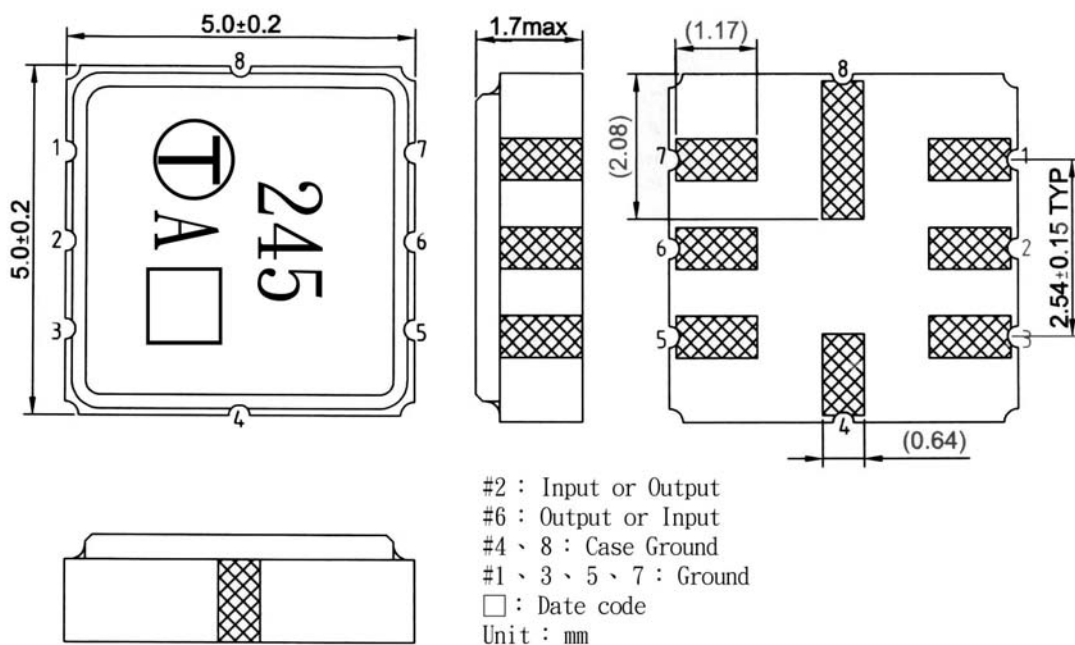
Network analyzer



$$C1 = 12 \text{ pF} \quad L1 = 56 \text{ nH}$$

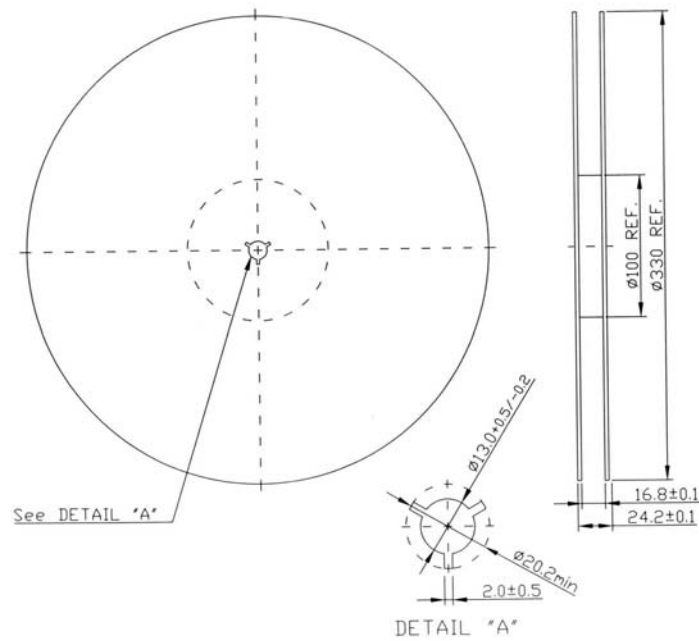
$$C2 = 9 \text{ pF} \quad L2 = 56 \text{ nH}$$

E. OUTLINE DRAWING:



F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

