



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: 350MHz IF SAW Filter (BW=2.6MHz)

TST Parts No.: TB0200A

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Vincent-WT Chiu

Approval by: _____ Francis Chen

Date: _____ 13 Jan. 2003



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350 MHz IF SAW Filter (SMD 13.3×6.5 mm)

Model No.: TB0200A

Rev. No.:3

A. Maximum Rating:

RoHS Compliant
Lead free
Lead-free soldering

1. Input Power Level: +20 dB_m
2. Operating Temperature: +25°C
3. Storage Temperature: -40°C to +85°C

B. Electrical Characteristics:

Parameter	Unit	Min.	Typical	Max.
Center frequency, F_c	MHz	349.9	350	350.1
Insertion Loss, IL	dB	-	13.5	14.5
0.5dB Bandwidth	MHz	1.7	1.96	-
3dB Bandwidth	MHz	2.6	2.65	-
20dB Bandwidth	MHz	-	3.8	4
45dB Bandwidth	MHz	-	4.4	6
Amplitude ripple within ±0.85 MHz	dB	-	0.4	0.7
Group Delay ripple within ±1.1 MHz	nsec	-	35	70
Substrate Material	-	-	Quartz	-
Temperature Coefficient of frequency	ppm/ K	-	$\Delta F/F = -[(T-T_0)/5.4]^2$	-

C. Frequency Characteristics:

(1) Frequency Response



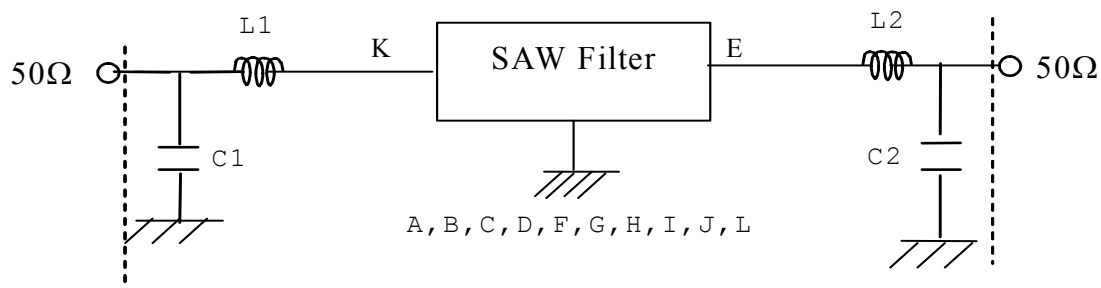
(2) Passband response and Group Delay Variation



D. Measurement Circuit:

Source and load impedance: $50\ \Omega$

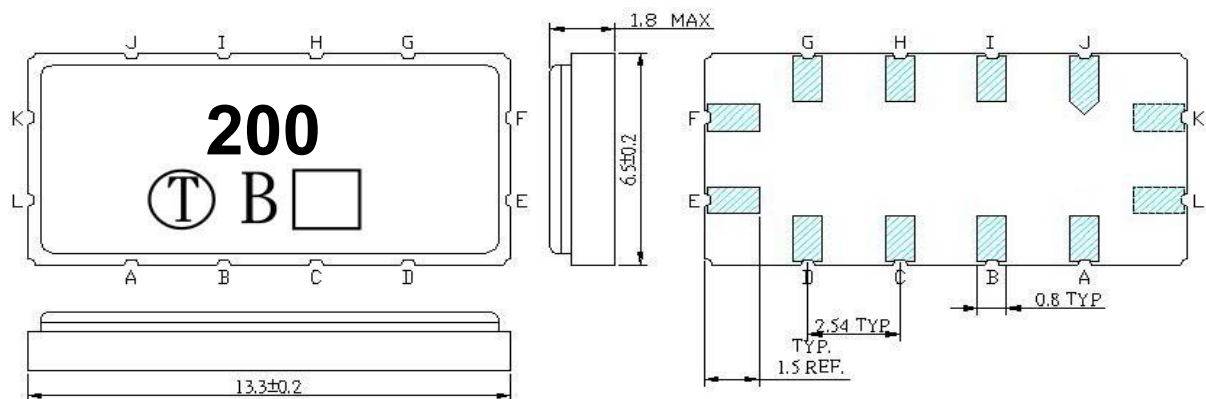
Network analyzer



Input: $L1=15\text{nH}$, $Q>40$; $C1=27\text{ pF}$

Output: $L2=15\text{nH}$, $Q>40$; $C2=27\text{ pF}$

E. Outline Drawing:



Unit: mm

Pin K: RF Input

Pin E: RF Output

Pin L: Input Ground

Pin F: Output Ground

Pin A, B, C, D, G, H, I, J: To be Ground

□: Date code