



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: IF SAW Filter 280MHz

TST Parts No.: TB280ID

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ YJ Tien

Approval by: _____ Francis Chen

Date: _____ 1,28,2003



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IF SAW Filter 280 MHz

MODEL NO.: TB280ID

REV. NO.:3

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. Operating Temperature: -10°C to 85°C
3. Storage Temperature: -40°C to 85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Characteristics	Units	Minimum	Typical	Maximum
Center frequency, F_c	MHz	-	280	-
Insertion Loss, IL	dB	-	8.7	10
Passband width, BW₃	MHz	18.5	20	
Amplitude Ripple in F _c ±9MHz	dB	-	2	3
Group delay ripple in F _c ±9MHz	nS	-	72	100
11.5 dB Lower Frequency	MHz		267.57	268
11.5 dB Upper Frequency	MHz	292	292.70	
Attenuation:(Reference level from Min IL)				
F _c -60 to -40MHz	dB	40	46	-
F _c -40 to -22MHz	dB	37	39	-
F _c -22 to -16MHz	dB	30	39	-
F _c +16 to +22MHz	dB	25	33	-
F _c +22 to +40MHz	dB	34	36	-
F _c +40 to +60MHz	dB	40	45	-

C. FREQUENCY CHARACTERISTICS:

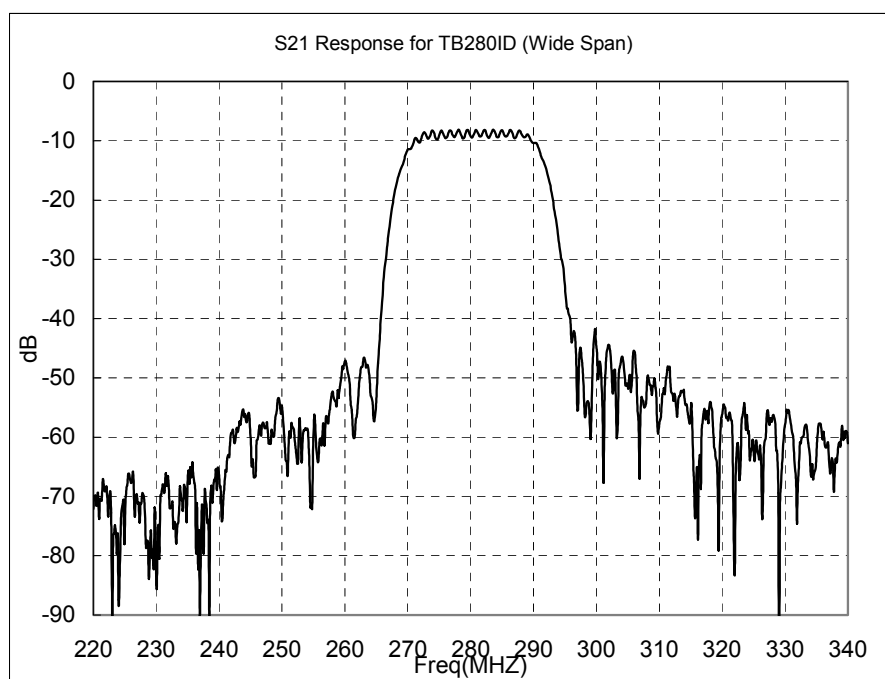


Fig.1 S21 Response

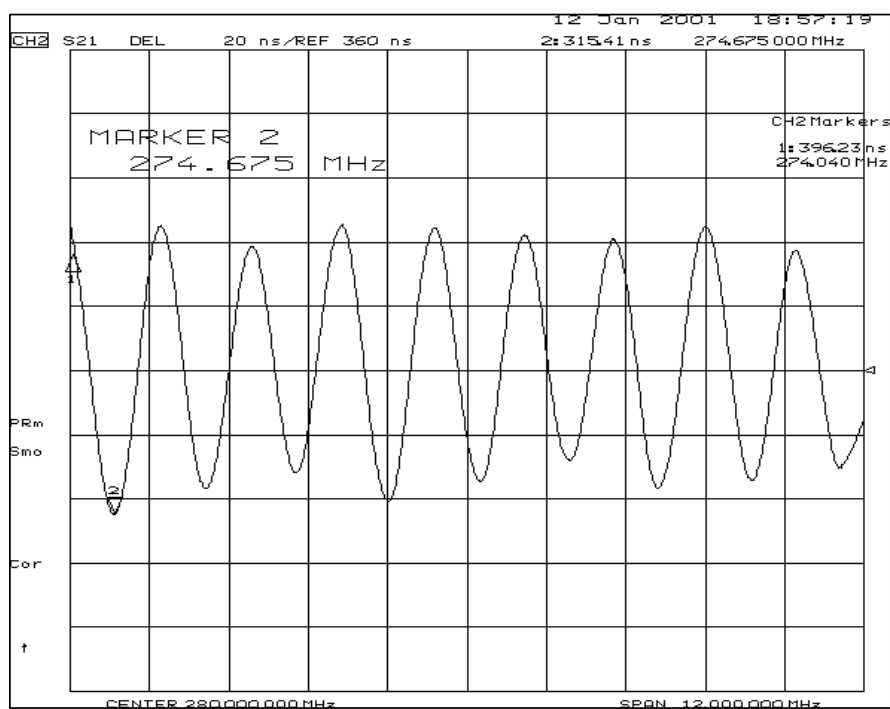
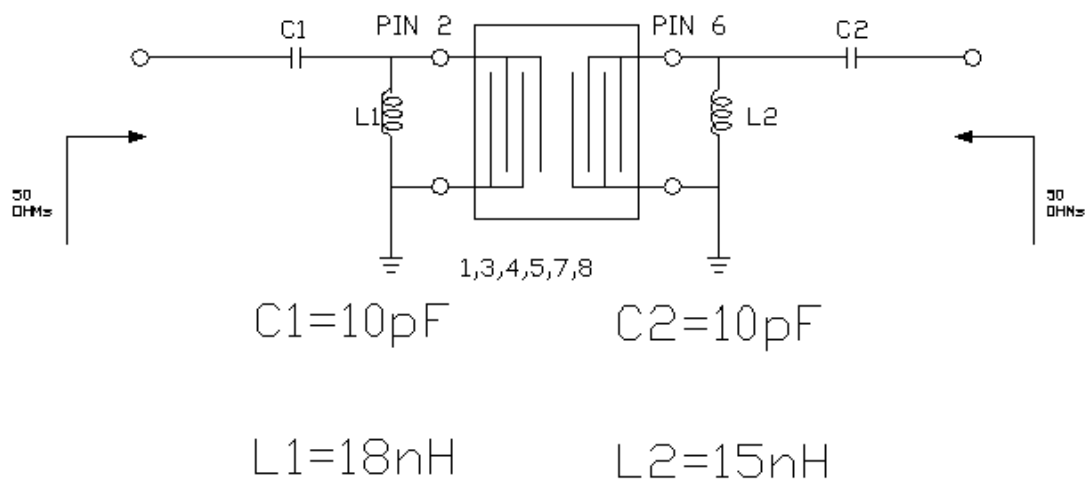


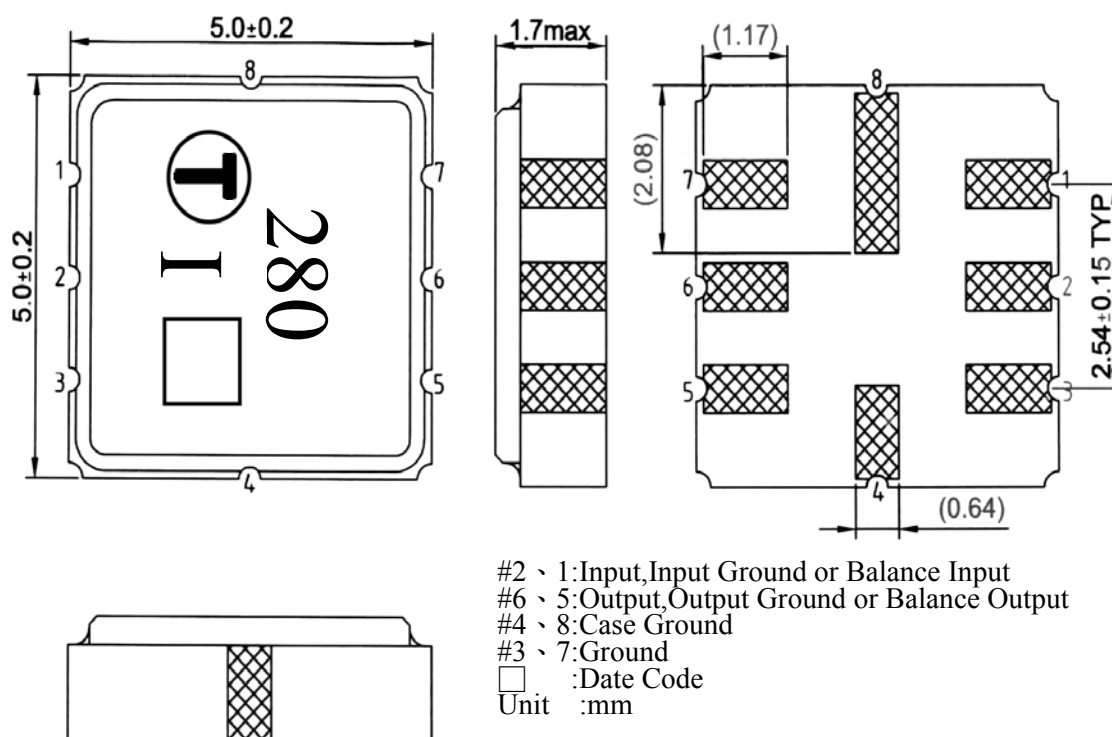
Fig.2 Group Delay

D. MEASUREMENT CIRCUIT:



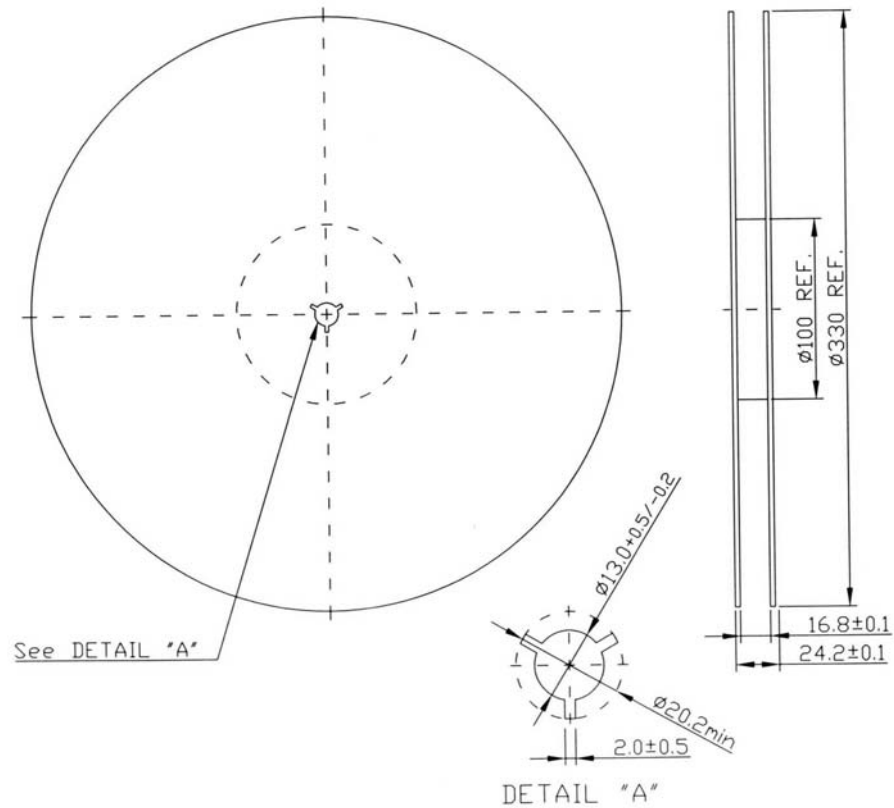
Note1: The values of components for matching circuit will vary slightly due to parasitic capacitor of PCB

E. OUTLINE DRAWING:

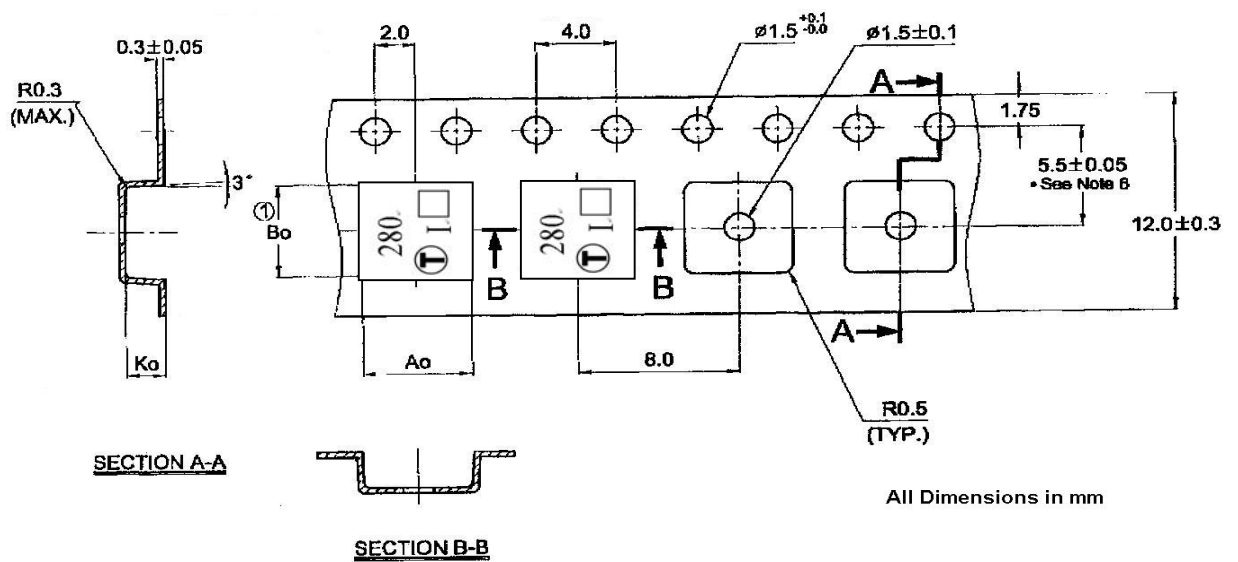


F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



$$A_o = 5.30 \pm 1 \text{ mm}$$

$$B_o = 5.30 + 0.2 / - 0.0 \text{ mm}$$

$$K_o = 2.0 \pm 0.1 \text{ mm}$$