

**IF SAW Filter 380 MHz**

**Model: TB0198A**

**Part No: MA04889**

**REV. NO.: 1**

**A. MAXIMUM RATING:**

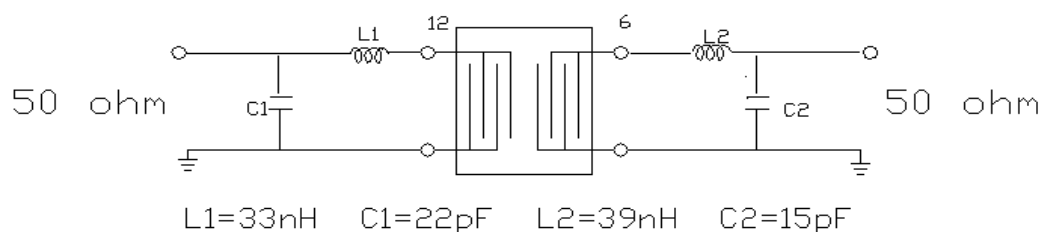
1. Input power level: 0 dBm
2. Operating Temperature: -10 °C ~ +85 °C
3. Storage Temperature: -40 °C ~ +85 °C

**B. Characteristics :**

1. Ambient Temperature: 25 °C

Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency $F_c$ MHz	-	380	-	-
Minimum Insertion loss I.L. dB	-	12.8	16	-
Passband Ripple (378~382MHz) dB	-	0.5	1	-
Group Delay Ripple (378~382MHz) dB		40	100	
Phase linearity (378~382MHz) rms		1.2	4	
Attenuation:( Reference level from minimum insertion loss)				dB
1) $F_c-2$ MHz.... $F_c+2$ MHz dB	-	0.51	1	-
2) $F_c-250$ MHz ~ $F_c-30$ MHz dB	40	55	-	-
3) $F_c-30$ MHz ~ $F_c-16$ MHz dB	35	54	-	-
4) $F_c-16$ MHz ~ $F_c-4$ MHz dB	30	32	-	-
5) $F_c+4$ MHz ~ $F_c+16$ MHz dB	30	32	-	-
6) $F_c+16$ MHz ~ $F_c+30$ MHz dB	35	53	-	-
7) $F_c+30$ MHz ~ $F_c+250$ MHz dB	40	55	-	-

**C. Measurement Circuit:**



**IF SAW Filter 380 MHz**

**Model: TB0198A**

**Part No: MA04889**

**REV. NO.: 1**

**D. Frequency Characteristics :**

1. S21 Response

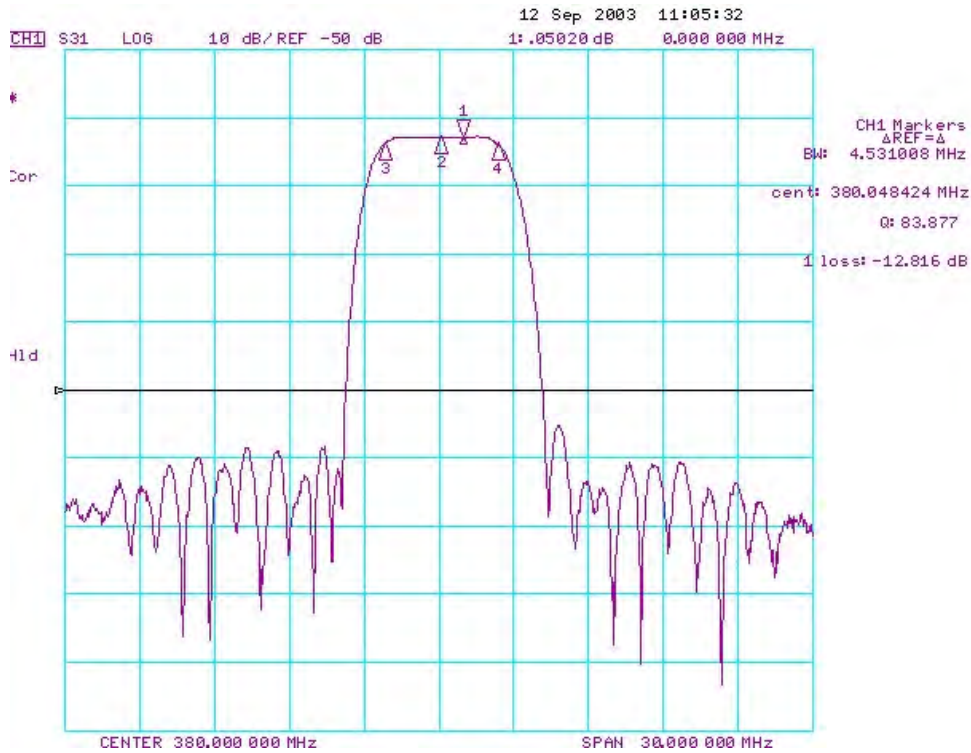


Fig1. Horizontal: 3MHz/Div Vertical: 10dB/Div

2. S21 Response (Group delay ripple of Passband)

**IF SAW Filter 380 MHz**  
**Part No: MA04889**

**Model: TB0198A**  
**REV. NO.: 1**

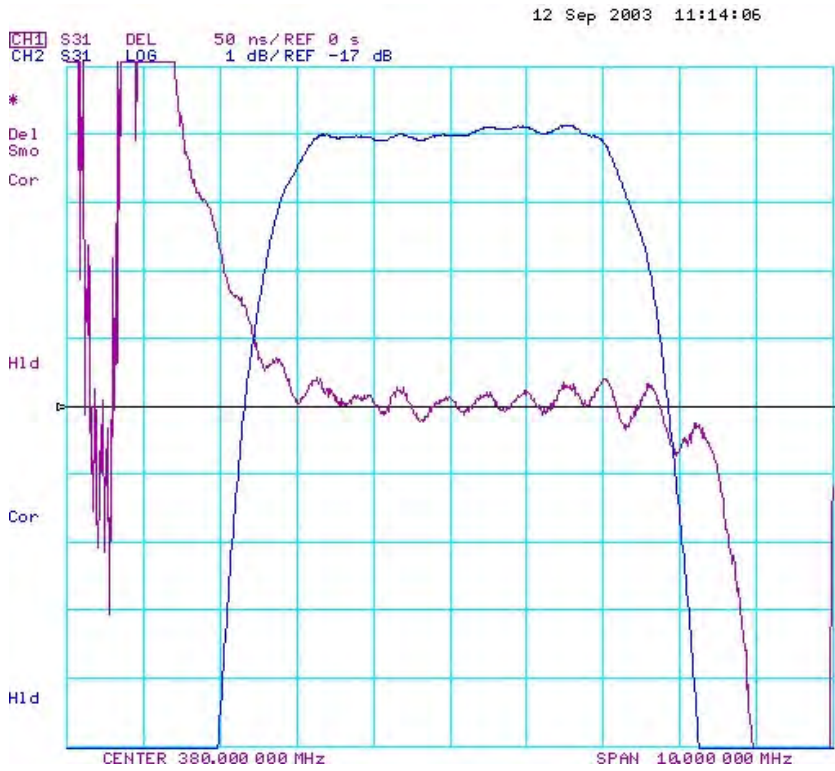


Fig2. Horizontal: 1MHz/Div Vertical: 1dB/Div.

### 3. S21 Response (Phase linearity of Passband)



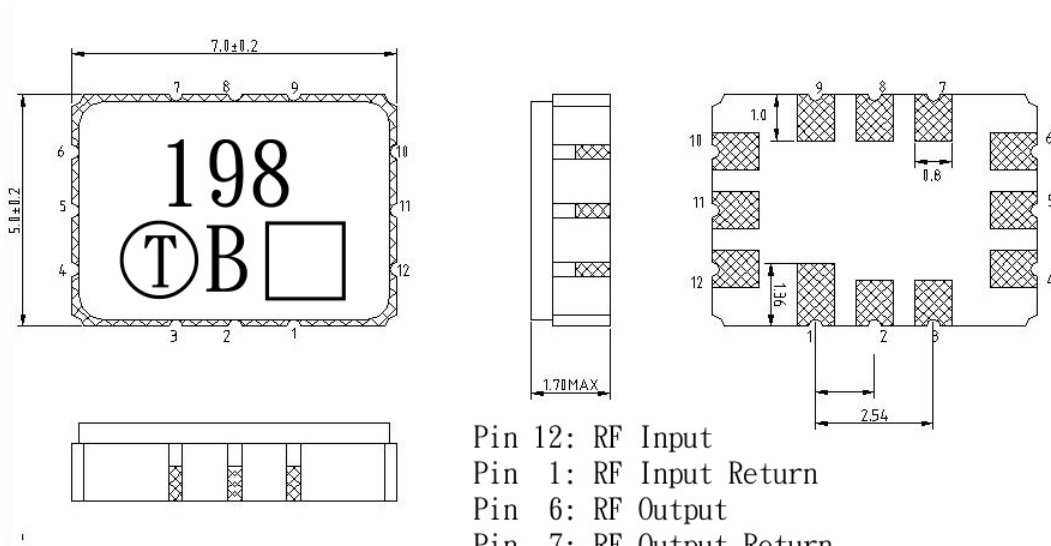
Fig3. Horizontal: 1MHz/Div Vertical: 1dB/Div

**IF SAW Filter 380 MHz**  
**Part No: MA04889**

**Model: TB0198A**  
**REV. NO.: 1**

Vertical: 2 degree/Div

**E. Outline Drawing:**



- Pin 12: RF Input
- Pin 1: RF Input Return
- Pin 6: RF Output
- Pin 7: RF Output Return
- Pin 2, 3, 4, 5, 8, 9, 10, 11: To be Ground
- : Datecode
- Unit : mm

**IF SAW Filter 380 MHz**

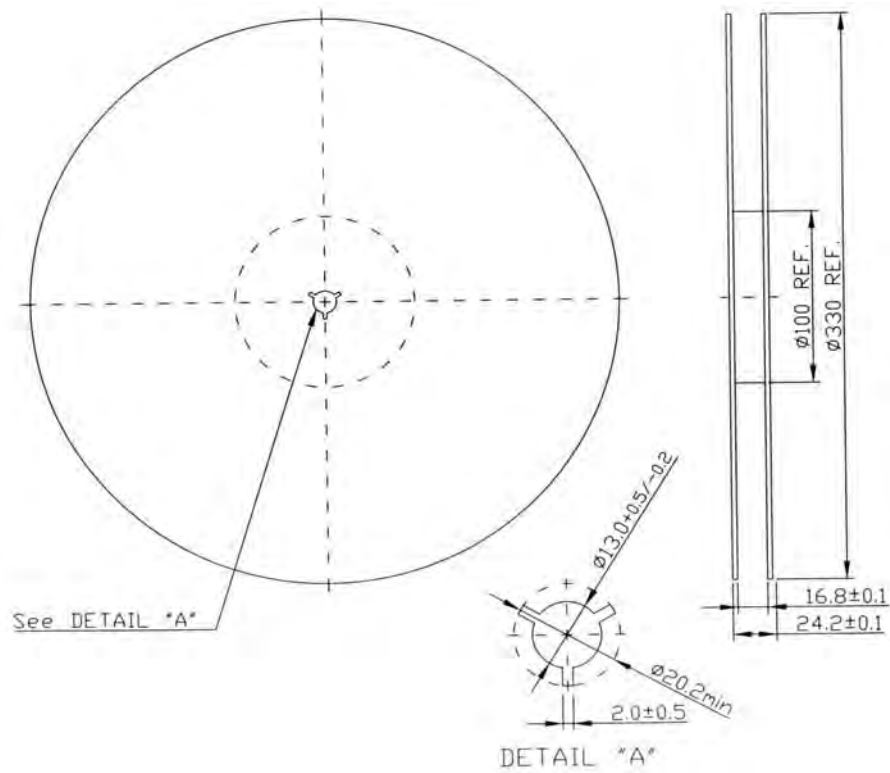
**Model: TB0198A**

**Part No: MA04889**

**REV. NO.: 1**

**F. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**

**IF SAW Filter 380 MHz**  
Part No: **MA04889**

**Model: TB0198A**  
REV. NO.: 1

