

**SAW Filter 188.1750MHz**  
**Part No: MA08163**

**Model No: TA0575A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -25°C to +85°C
4. Storage Temperature: -40°C to +85°C

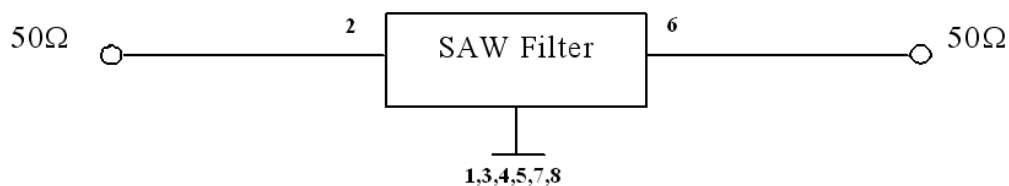
**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	188.175	-
Insertion Loss IL min (reference level)	dB	-	1.62	2.8
Bandwidth BW -3dB	MHz	6	8.9	-
Absolute Attenuation (reference to IL min dB)				
Fc -50 ~ Fc -30MHz	dB	42	55	-
Fc -30 ~ Fc -15MHz	dB	36	52	-
Fc +30 ~ Fc +100 MHz	dB	42	46	-
Source impedance Z <sub>S</sub>	Ω	-	50	-
Load impedance Z <sub>L</sub>	Ω	-	50	-

Note: IL min is the minimum of the pass band attenuation. The center frequency Fc is the mean value of the upper and lower frequencies at the 3dB filter attenuation level relative to the IL min.

**C. MEASUREMENT CIRCUIT:**

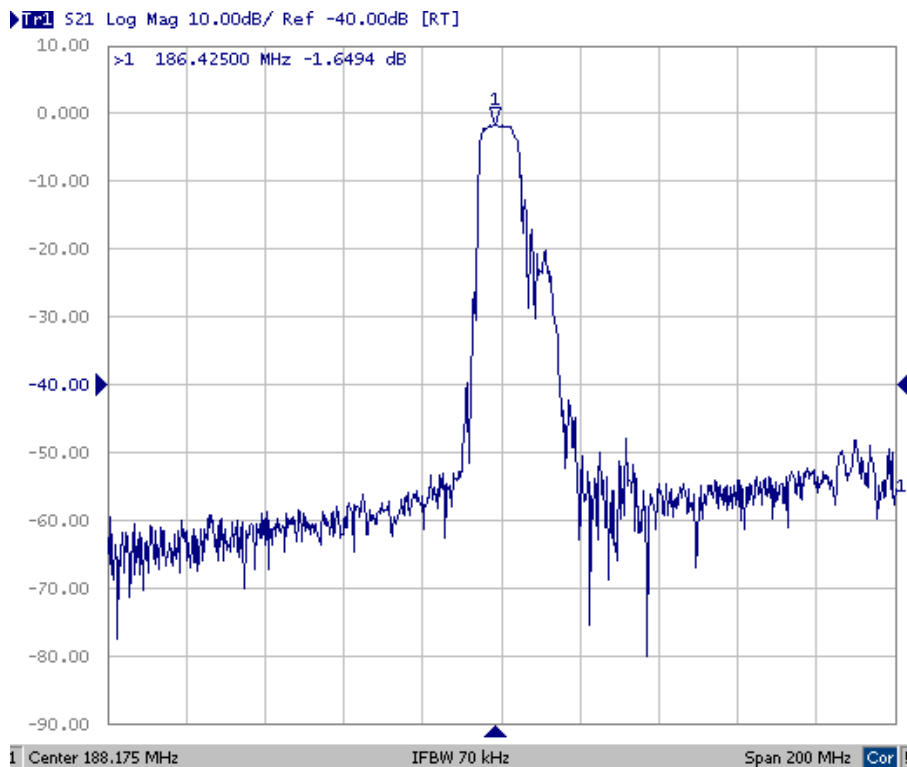
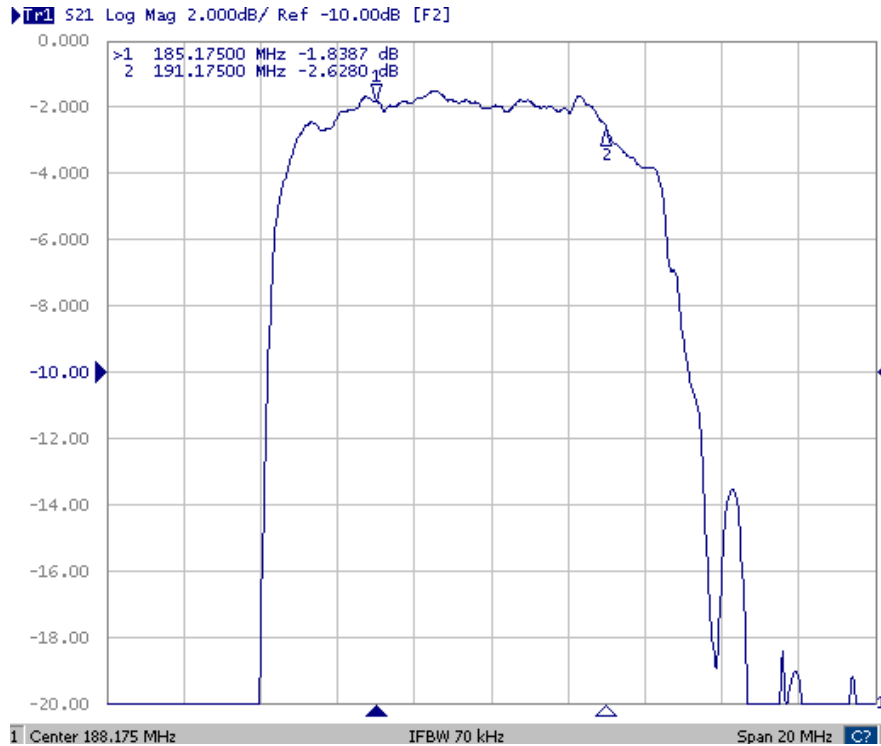
HP Network analyzer



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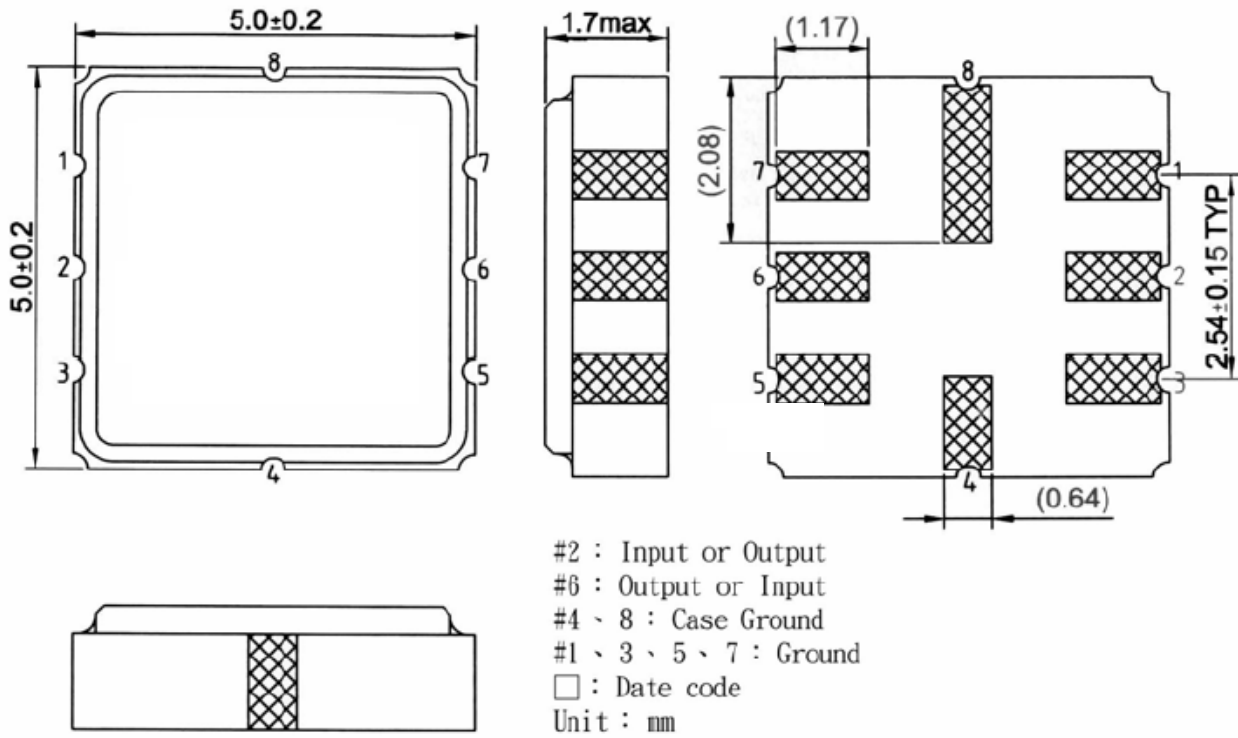
**D. FREQUENCY CHARACTERISTICS:**



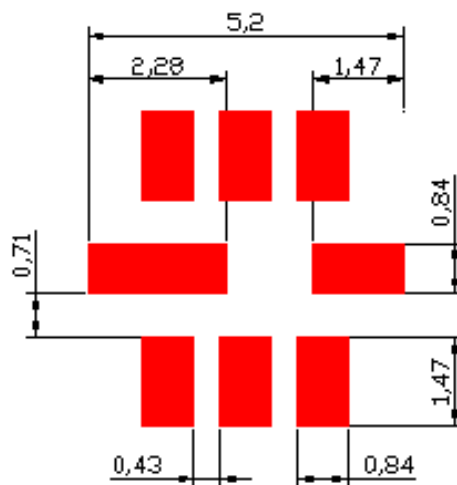
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**E. OUTLINE DRAWING:**



**F. PCB FOOTPRINT:**



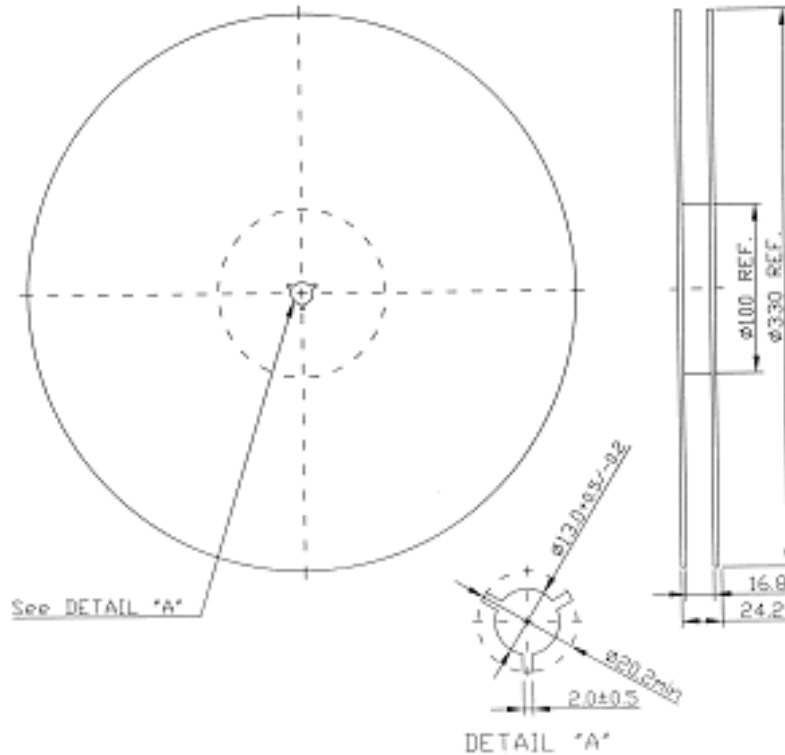
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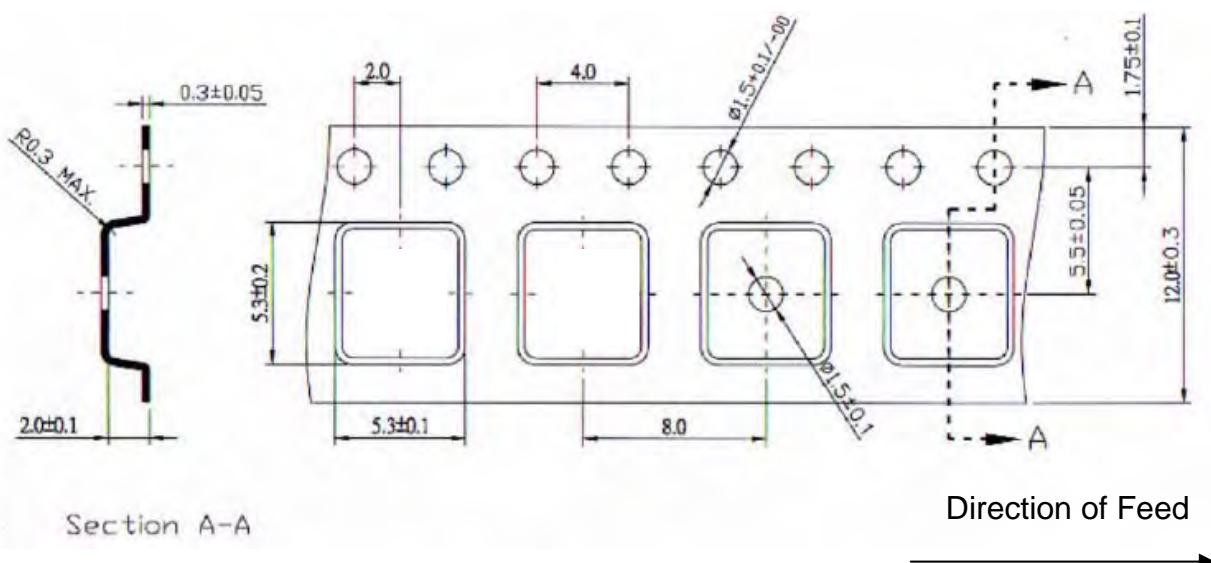
**G. PACKING:**

1. Reel Dimension

7" = 1000, 13" = 3000



2. Tape Dimension



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**H. RECOMMENDED REFLOW PROFILE:**

