

**SAW Filter 155.0MHz**  
**Part No: MA04020**

**Model: TA155FD**  
**Rev No: 4**

**A. MAXIMUM RATING:**

Electrostatic Sensitive Device

1. Input Power Level: 0dBm
2. DC voltage: 10V
3. Operating Temperature: -10°C to +50°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)

**B. ELECTRICAL CHARACTERISTICS:**

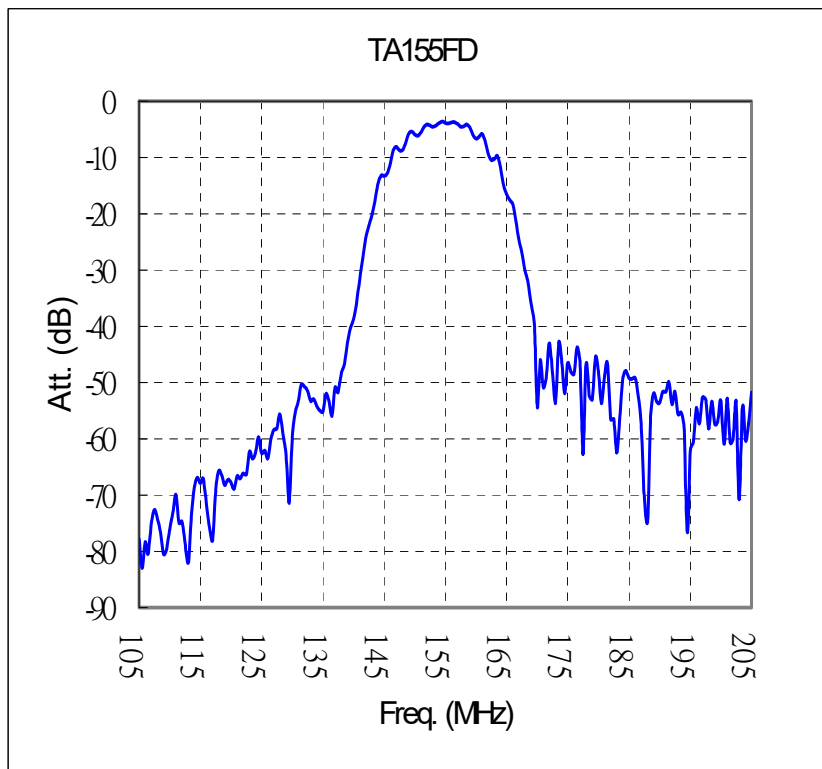
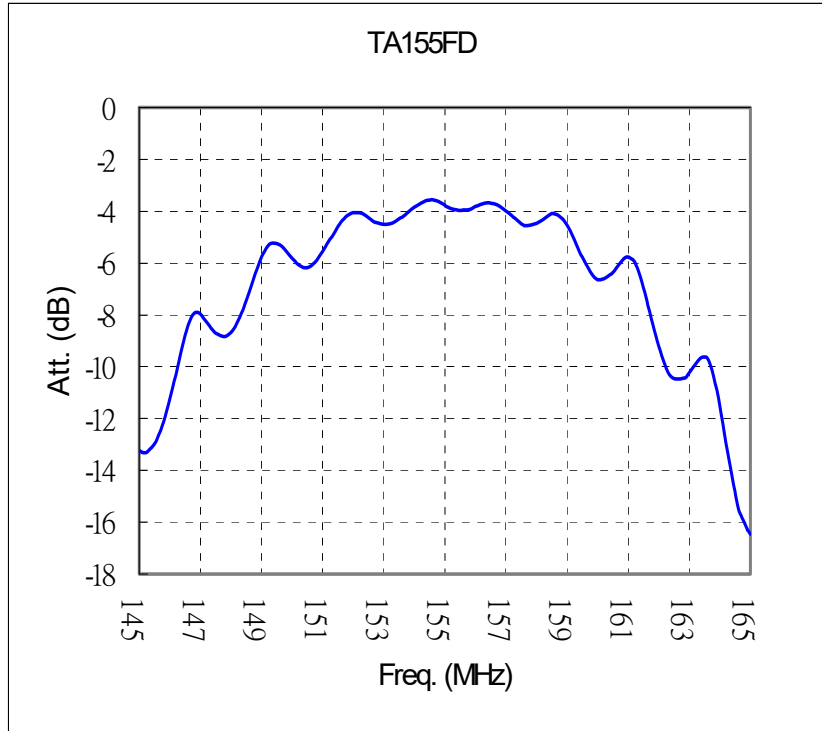
Characteristics	Specification	Note
Center frequency Fc (MHz)	155	1
I.L. (Within FC $\pm$ 4MHz)	6.5 Max.	1
Amplitude Ripple, A.R. (Within Fc $\pm$ 4MHz) (dB)	2.1 Max.	
Attenuation: ( Reference level from 0dB) (dB)		
Fc -100MHz to -38.8MHz (dB)	50 Min.	1
Fc +38.8MHz to + 100MHz (dB)	42 Min.	

Note 1: The standard definitions is in JIS C 6703

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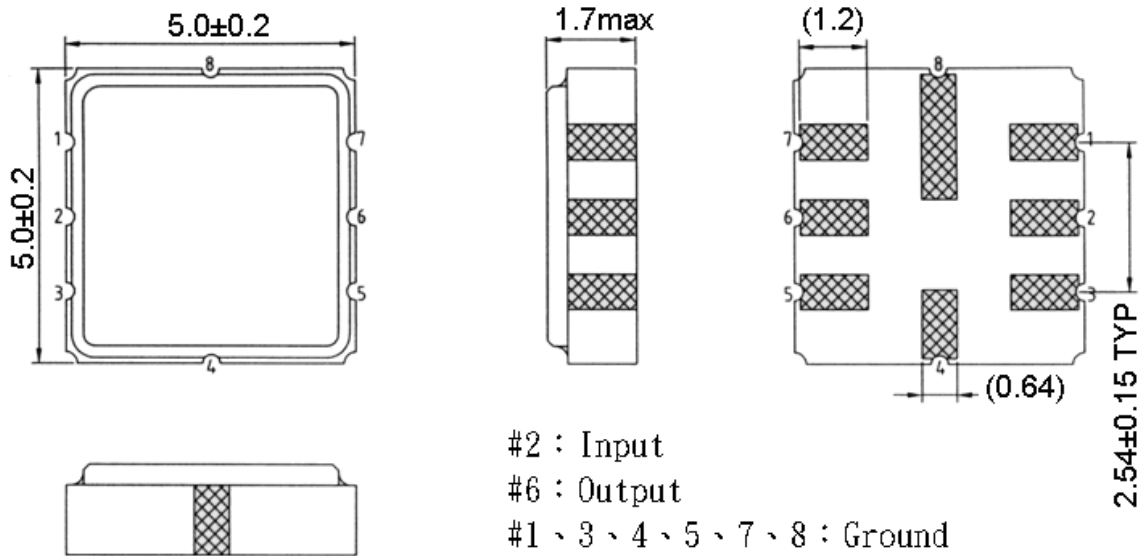
**C. FREQUENCY CHARACTERISTICS:**



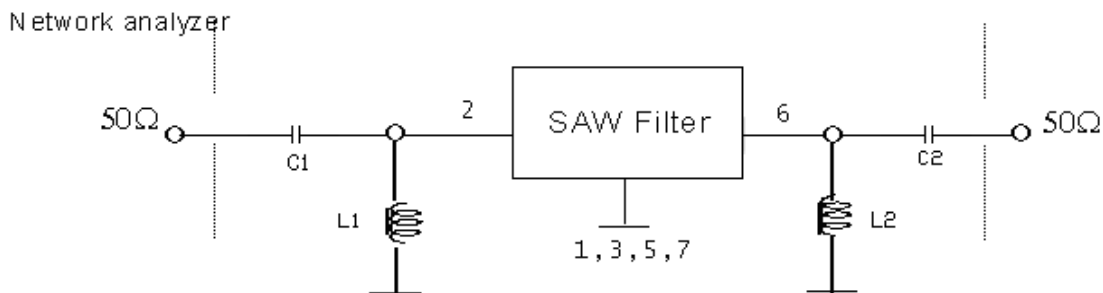
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**D. OUTLINE DRAWING:**



**E. MEASUREMENT CIRCUIT:**



$C1 = 9\text{pF}$ ,  $L1 = 47\text{nH}$   
 $C2 = 8\text{pF}$ ,  $L2 = 47\text{Nh}$

Note: These values are for our test PCB. Expect to need to adjust them for your PCB layout.

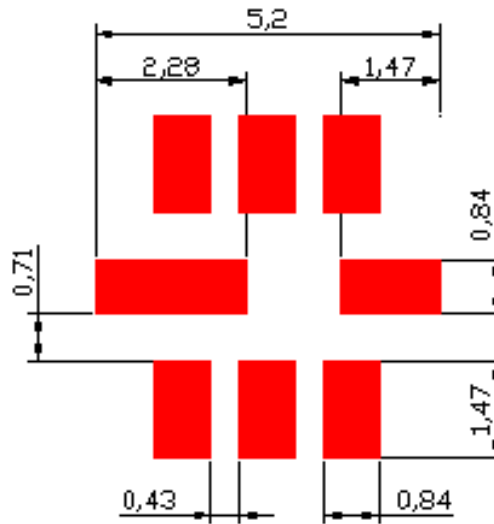
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**F. PCB FOOTPRINT:**





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**H. RECOMMENDED REFLOW PROFILE:**

1. Preheating shall be fixed at 150 ~ 180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 260°C +0/-5°C peak (20 ~ 40sec).
4. Time: 2 times.

