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Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter for Pager 147.0MHz — Model: TA147FD
Part No: MA04019 — Rev No: 7

A. MAXIMUM RATING:

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)

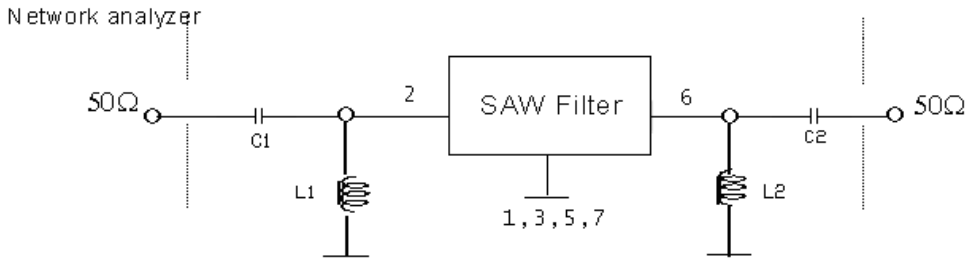
B. ELECTRICAL CHARACTERISTICS:

Characteristics	Specification	Note
Center frequency Fc (MHz)	147	1
I.L. (Within Fc ± 4MHz)	6.5 Max.	1
Amplitude Ripple, A.R. (Within Fc ±4MHz) (dB)	2.1 Max.	
Attenuation: (Reference level from 0dB) Fc -100MHz to -38.8MHz (dB) Fc +38.8MHz to + 100MHz (dB)	 50 Min. 42 Min.	1
Source Impedance Load Impedance	50Ω 50Ω	

Note 1: The standard definitions is in JIS C 6703

C. MEASUREMENT CIRCUIT:

(Simulation Matching)



C1 = 16pF, L1 = 60nH, C2 = 16pF, L2 = 60nH

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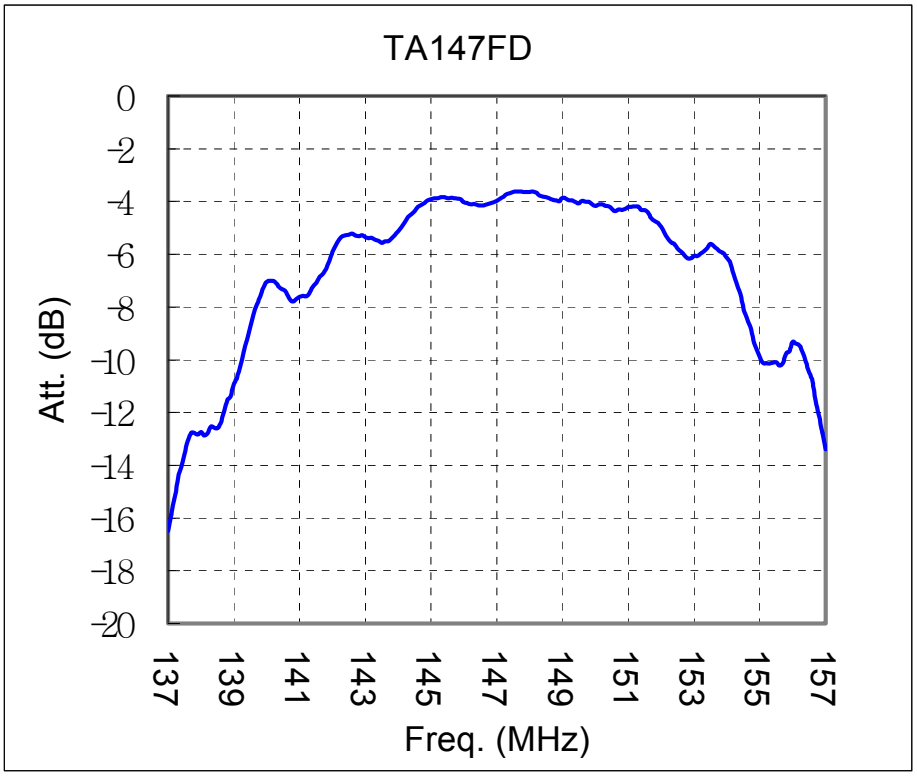
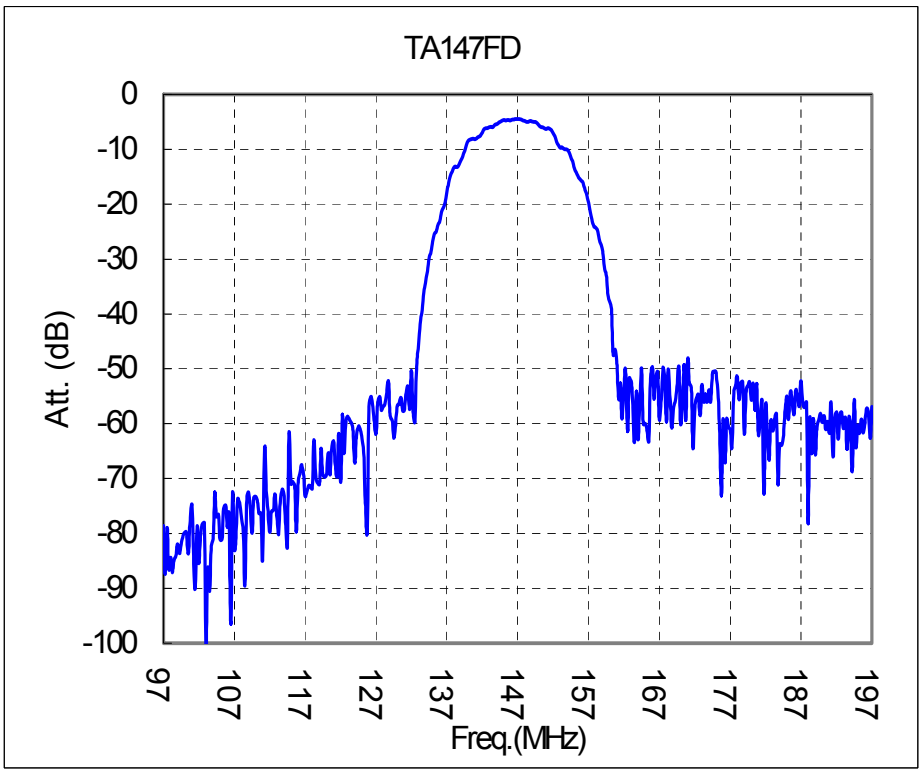
D. FREQUENCY CHARACTERISTICS:





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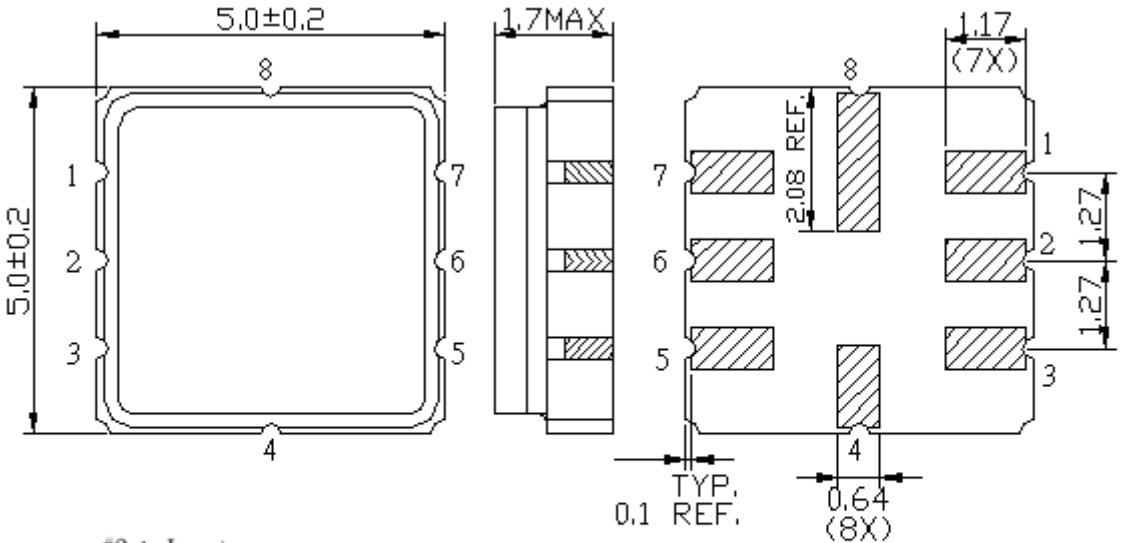
E. OUTLINE DRAWING:



#2 : Input
#6 : Output
#1 、 3 、 5 、 7 : Ground

Unit : mm

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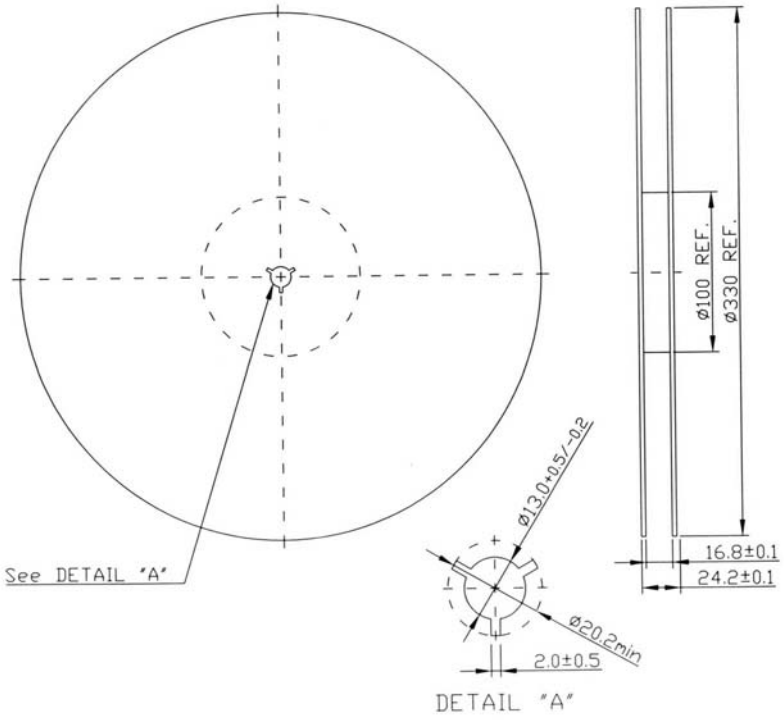
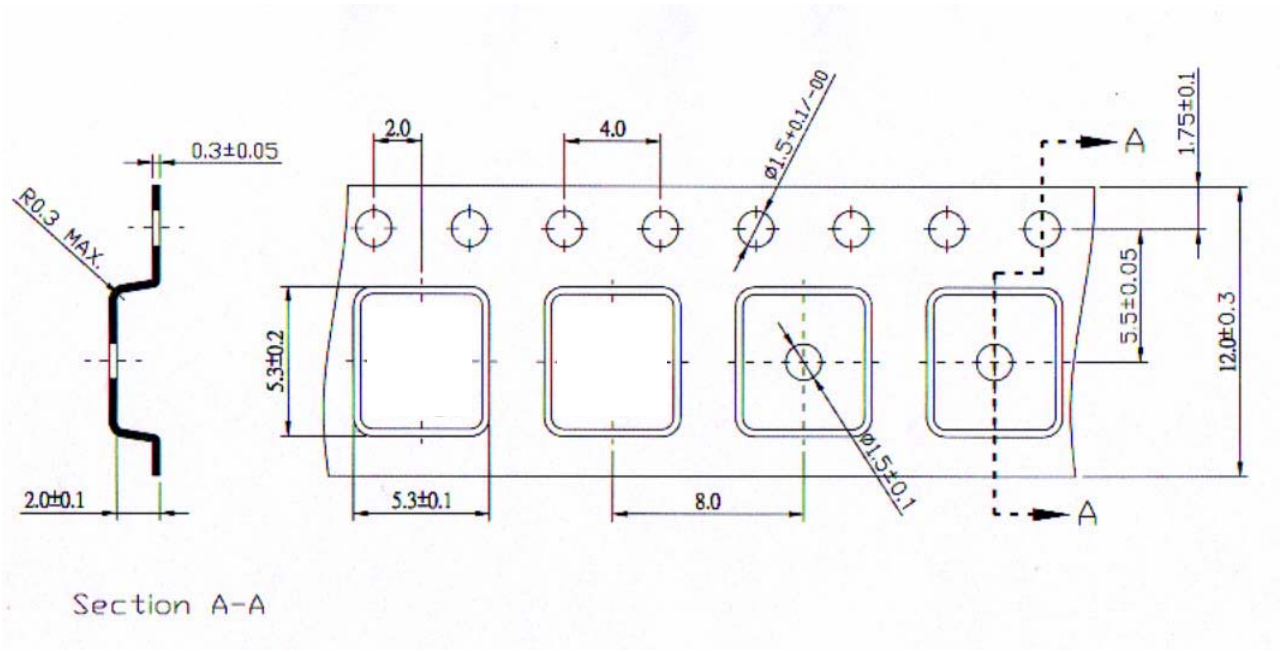
F. PACKING:

1. Reel Dimension



2. Tape Dimension



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G. 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 ~ 40 sec).
4. Time: 2 times.