

SAW Filter 1237.0MHz

Model: TA1252A

Part No: MP08731

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

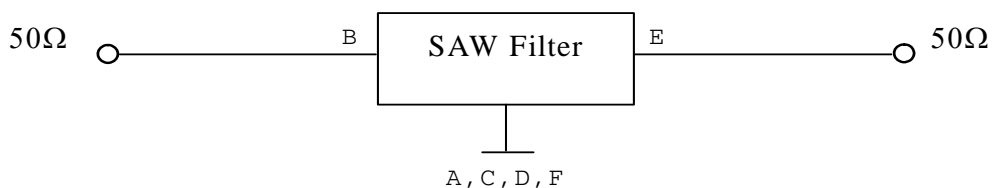
1. Input Power Level: 20dBm
2. DC voltage: 3.5V
3. Operating Temperature: -60°C to +85°C
4. Storage Temperature: -60°C to +125°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1237	-
Minimum Insertion Loss IL min	dB	-	2.6	3.5
Amplitude Ripple (1215 ~ 1260MHz)	dB	-	1.3	2.5
Group Delay Ripple (1215 ~ 1260MHz)	ns	-	15	50
Attenuation (Reference level from IL min)				
0.3 ~ 1170MHz	dB	40	52	-
1337 ~ 2400MHz	dB	40	45	-
Temperature coefficient of frequency TCf	ppm/°C	-	-34	-

C. MEASUREMENT CIRCUIT:

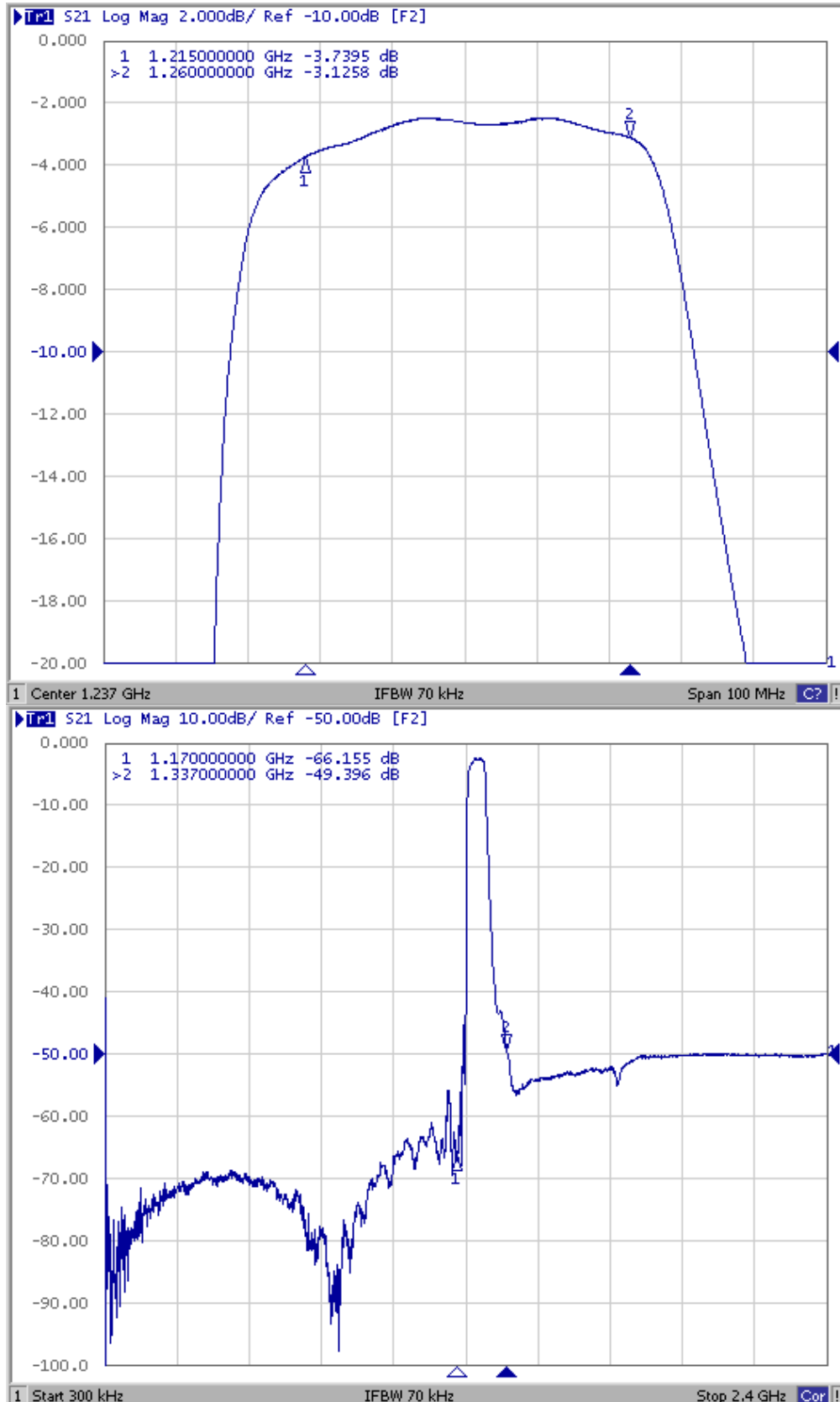
HP Network analyzer



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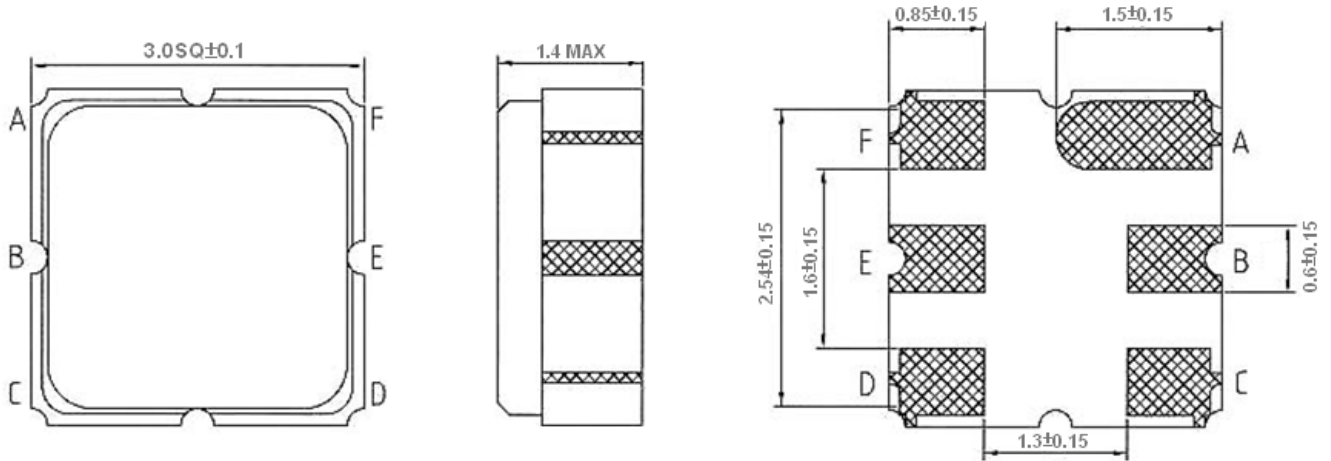
D. FREQUENCY CHARACTERISTICS:



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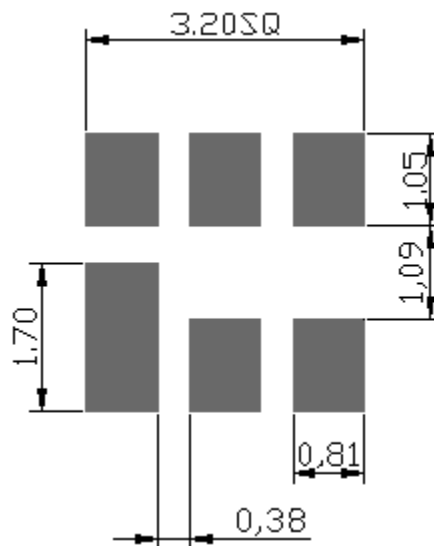
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E. OUTLINE DRAWING:



B: Input
E: Output
A, C, D, F: Ground
Unit: mm

F. PCB FOOTPRINT:

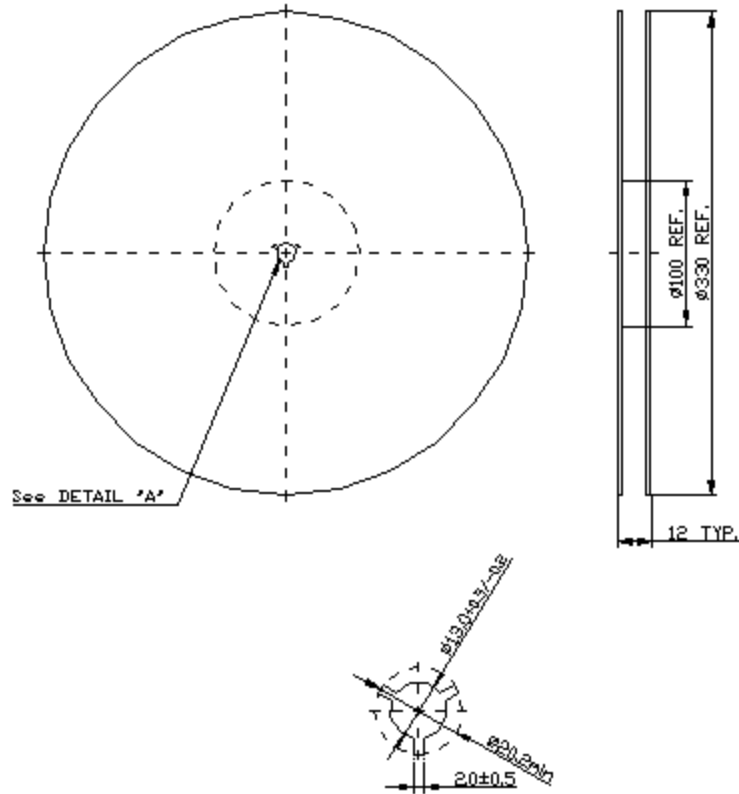


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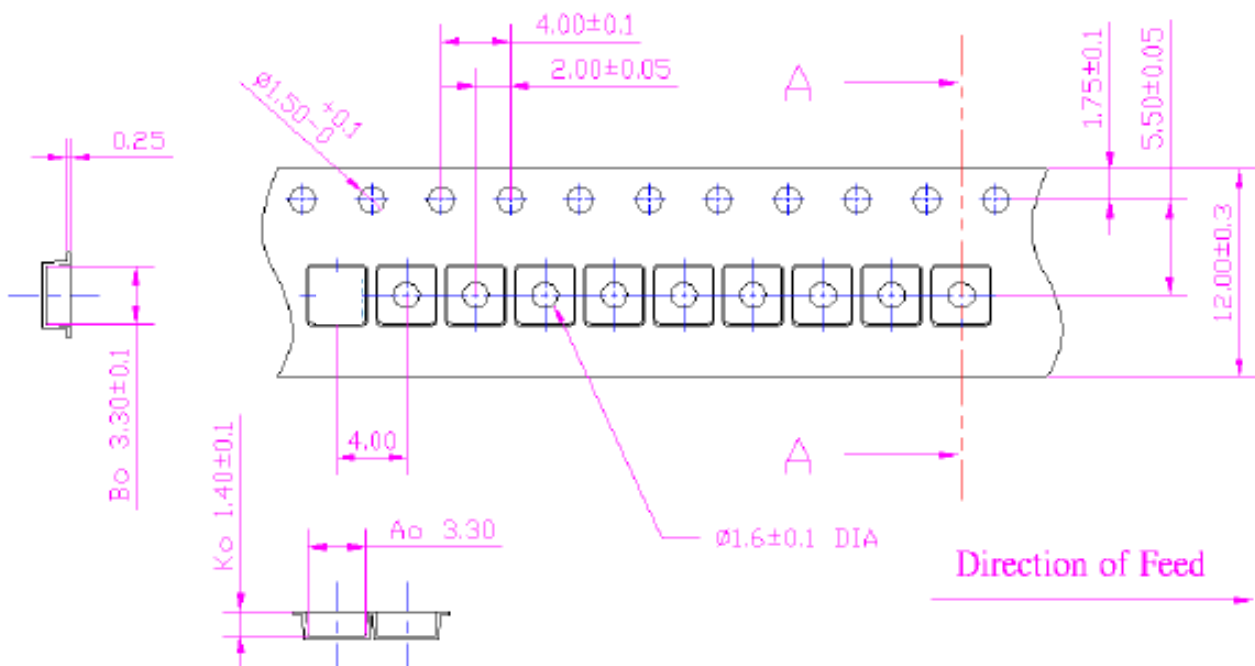
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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

