

SAW Filter 1237.0MHz

Model: TA0836B

Part No: MP08171

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device

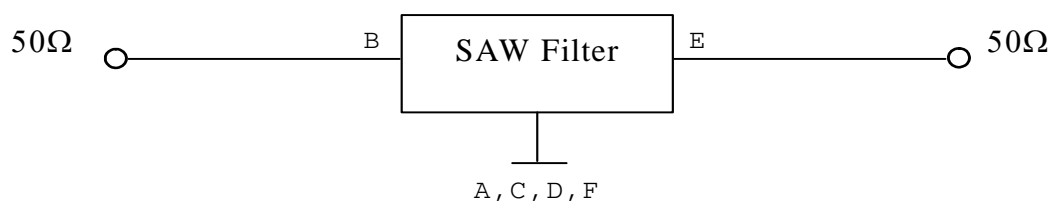
1. Input Power Level: 18dBm
2. DC Voltage: 3V
3. Operating Temperature: -50°C to +60°C
4. Storage Temperature: -50°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1237	-	-
Min. Insertion loss IL	dB	-	2.4	3	-
Bandwidth @ -1Db	MHz	-	46	-	-
Bandwidth @ -1.5dB	MHz	40	51	-	-
Attenuation (Reference level from 0dB)					
Fc -60MHz	dB	30	60	-	-
Fc -50MHz	dB	20	50	-	-
Fc +50MHz	dB	20	30	-	-
Fc +60MHz	dB	30	38	-	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-	-

C. MEASUREMENT CIRCUIT:

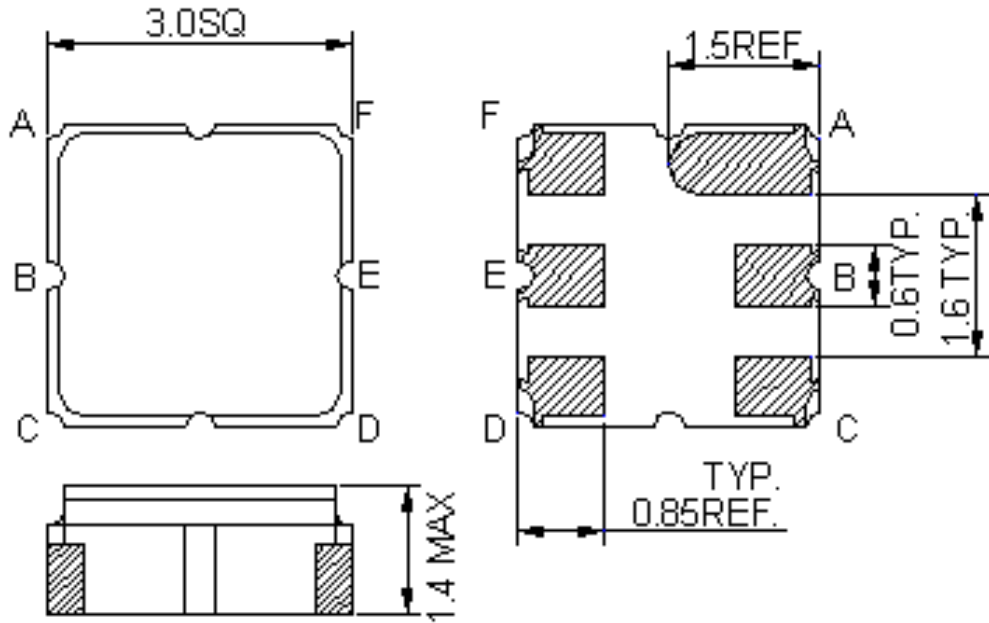
HP Network analyzer



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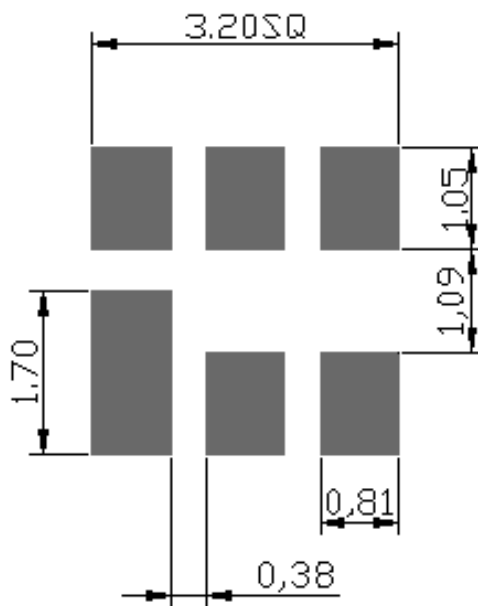
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D. OUTLINE DRAWING:



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

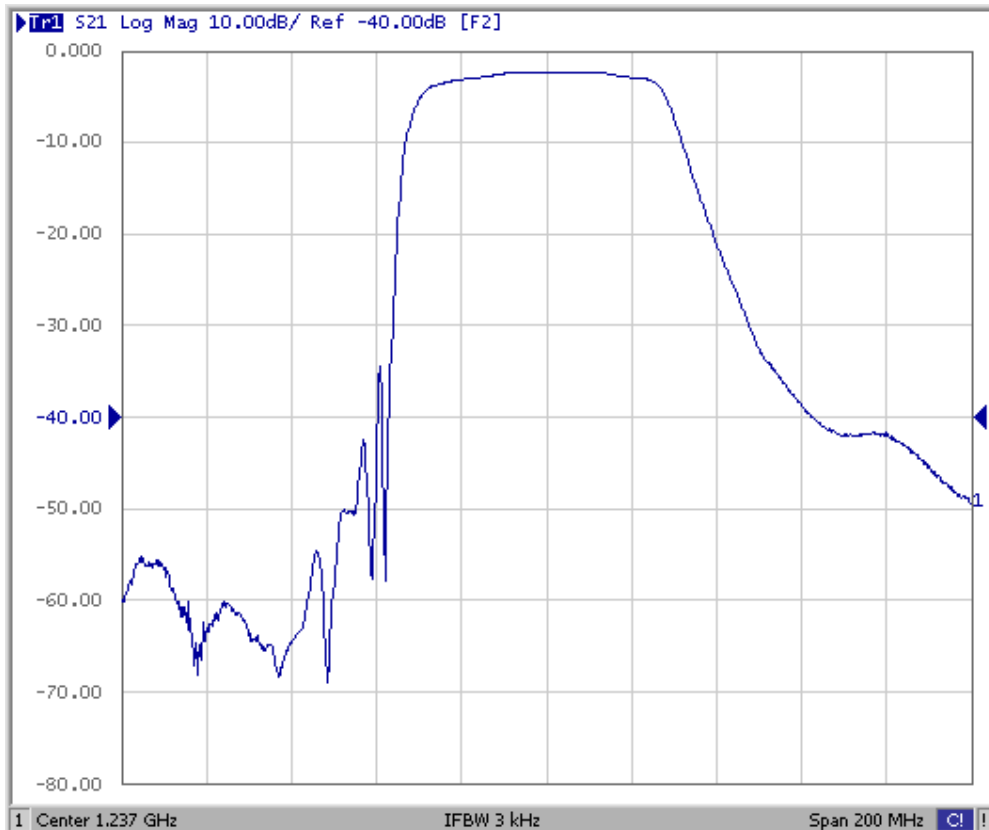
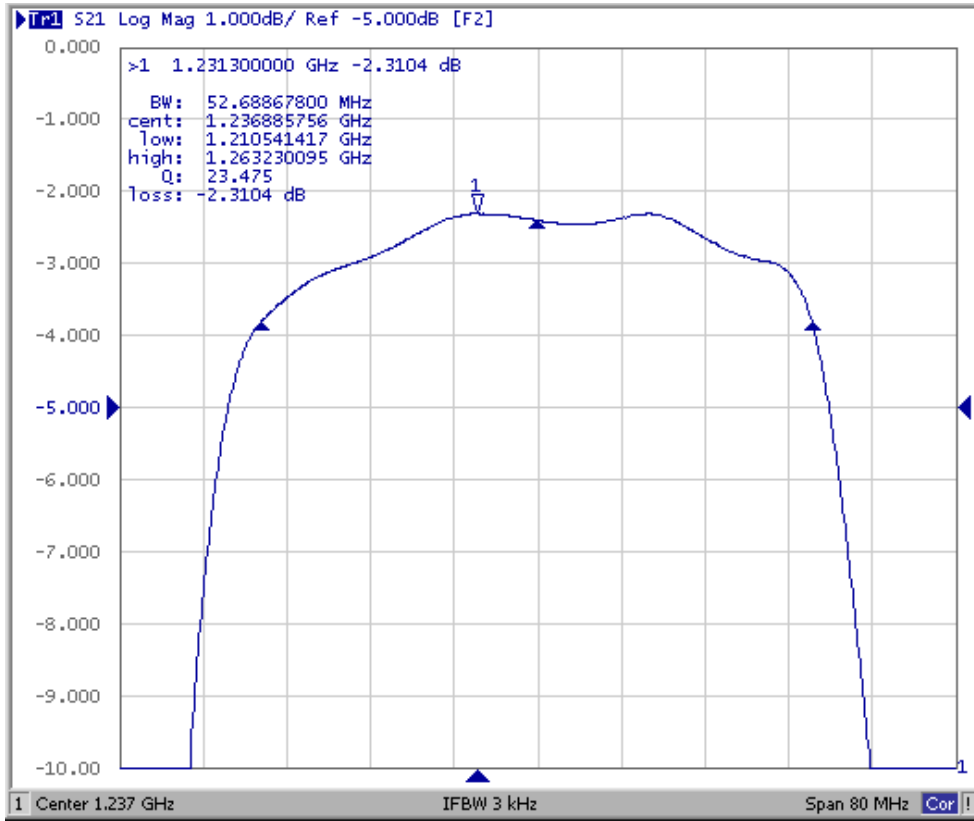
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

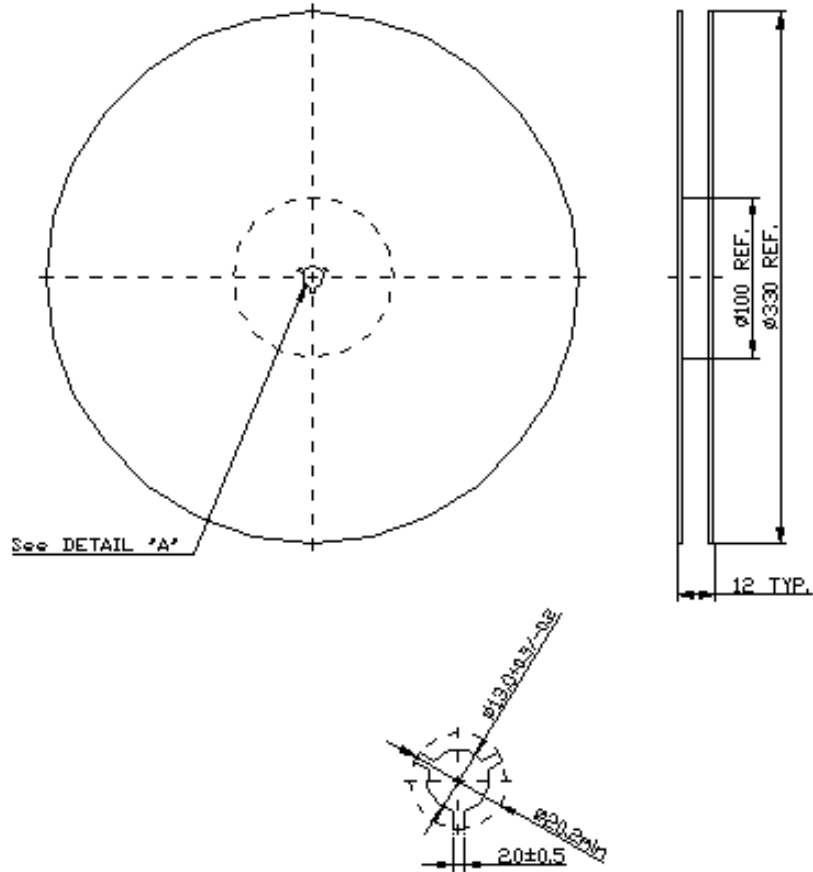


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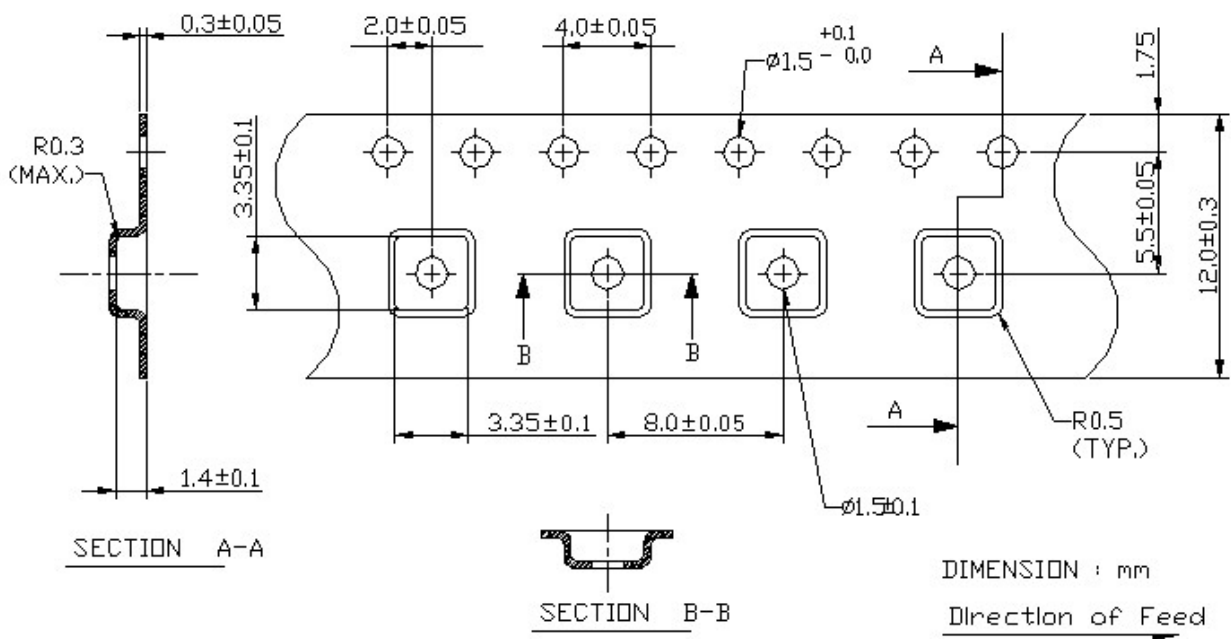
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G. PACKING:

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 245 ~ 260°C peak (min. 10 sec).
4. Time: 2 times.

