

SAW Filter 810.0MHz
Part No: MA08625

Model: TA0424A
Rev No: 1

A. MAXIMUM RATING:

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

B. CHARACTERISTICS:

| Item | Unit | Min. | Typ. | Max. |
|--|-------|------|------|------|
| Center frequency Fc MHz | | - | 810 | - |
| Insertion loss 807.5 ~ 812.5MHz IL | dB | - | 2.7 | 5.0 |
| Amplitude ripple 807.5 ~ 812.5MHz | dB | - | 0.5 | 1.8 |
| Group delay variation 807.5 ~ 812.5MHz | ns | - | 17 | 150 |
| 1dB Bandwidth BW -1dB | MHz | - | 12 | - |
| 3dB Bandwidth BW -3dB | MHz | - | 14.8 | - |
| 10dB Bandwidth BW-10dB | MHz | - | 18.1 | - |
| 20dB Bandwidth BW-20dB | MHz | - | 21.6 | - |
| 30dB Bandwidth BW-30dB | MHz | - | 28.2 | - |
| Attenuation (Reference level from 0dB) | | | | |
| 680 ~ 770MHz | dB | 35 | 49 | - |
| 860MHz | dB | 40 | 50 | - |
| Temperature coefficient of frequency | ppm/K | - | -36 | - |
| Source impedance Z _S | Ω | - | 50 | - |
| Load impedance Z _L | Ω | - | 50 | - |

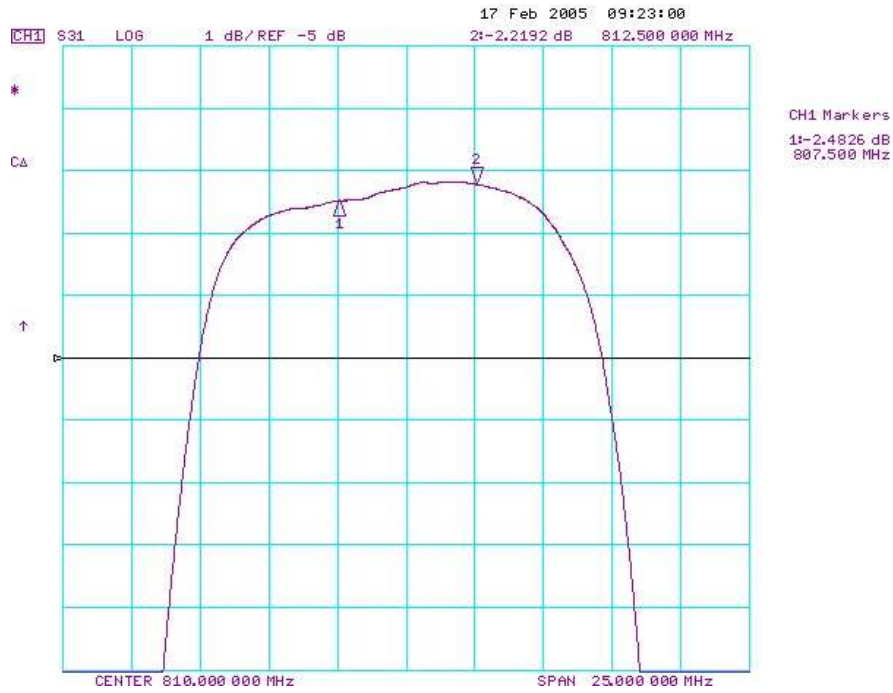
Note: No matching network required for operation at 50Ω

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C. FREQUENCY CHARACTERISTICS:

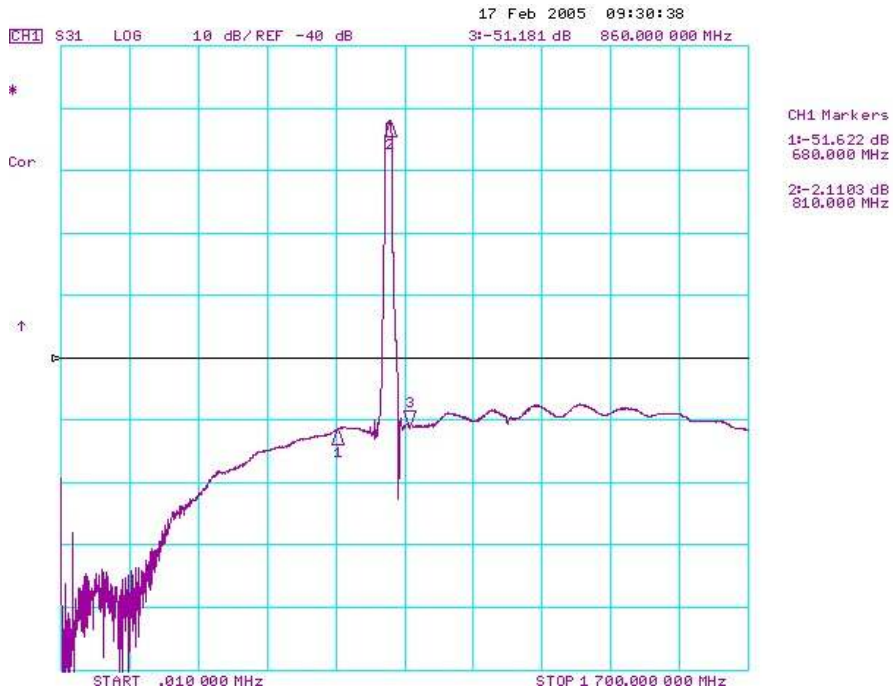
Transfer Function



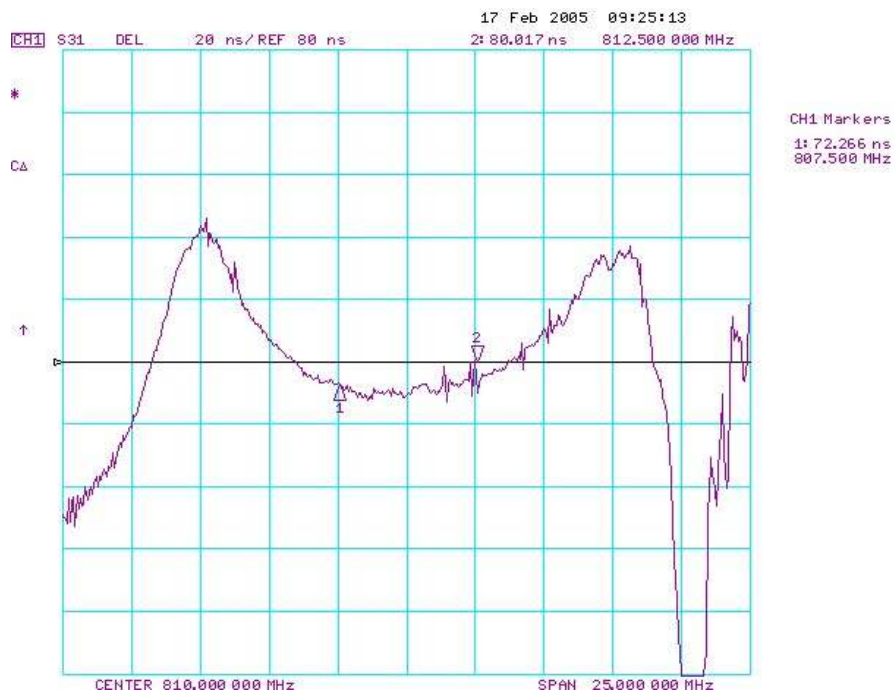
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Wideband



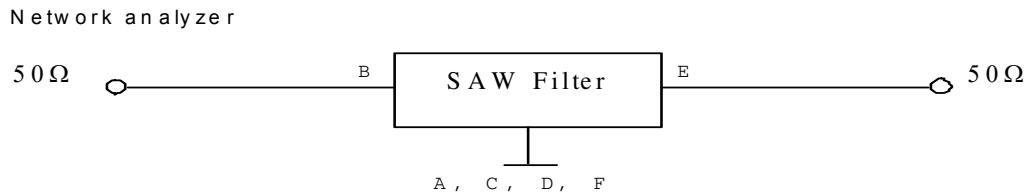
Group Delay Variation



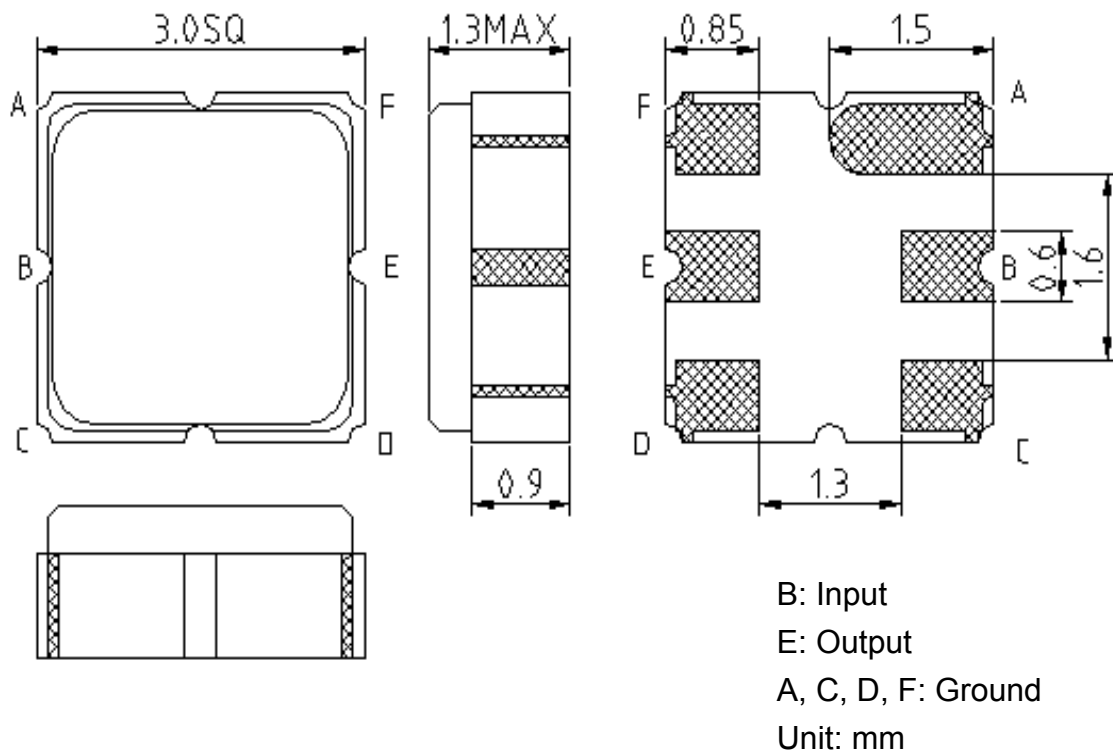
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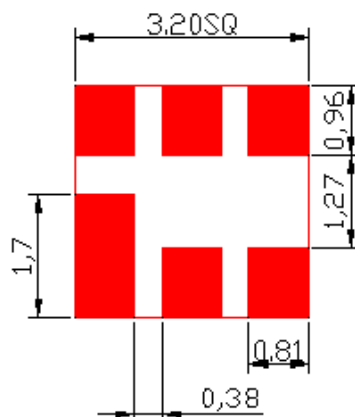
D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



F. PCB FOOTPRINT:

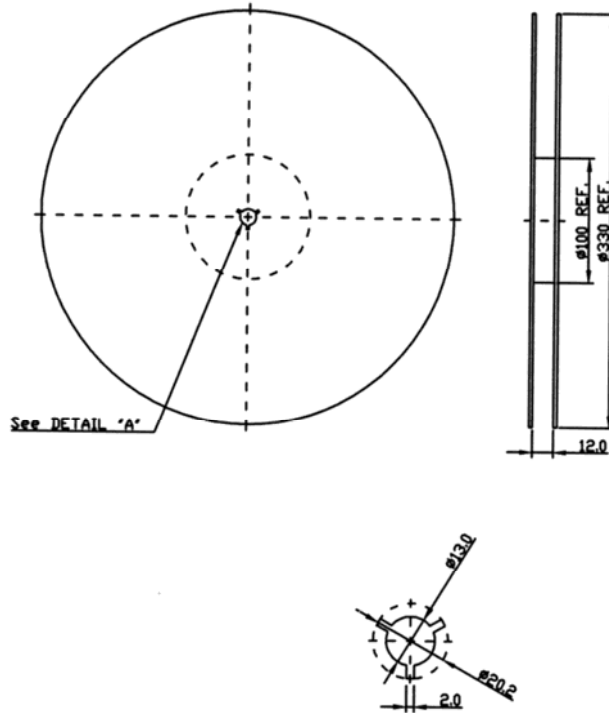


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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

