

**SAW Filter 869MHz**  
**Part No: MA05505**

**Model: TA0296A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -10°C to +60°C
4. Storage Temperature: -40°C to +85°C

**B. ELECTRICAL CHARACTERISTICS:**

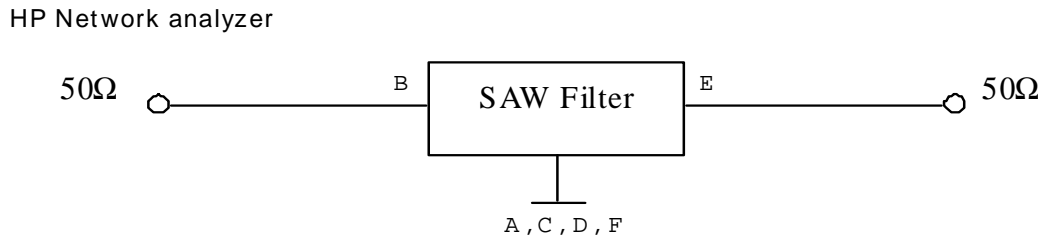
| Item                        | Unit     | Min. | Typ. | Max. |
|-----------------------------|----------|------|------|------|
| Center Frequency            | MHz      | -    | 869  | -    |
| Insertion Loss 868 ~ 870MHz | dB       | -    | 2.8  | 4.0  |
| Ripple 868 ~ 870MHz         | dB       | -    | 0.2  | 1.5  |
| Absolute Attenuation        |          |      |      |      |
| 825 ~ 828MHz                | dB       | 40   | 47   | -    |
| 835 ~ 842MHz                | dB       | 30   | 39   | -    |
| 891 ~ 894MHz                | dB       | 30   | 42   | -    |
| 910 ~ 913MHz                | dB       | 40   | 47   | -    |
| Source impedance $Z_S$      | $\Omega$ | -    | 50   | -    |
| Load impedance $Z_L$        | $\Omega$ | -    | 50   | -    |

Note: No matching network required for operation at 50 $\Omega$

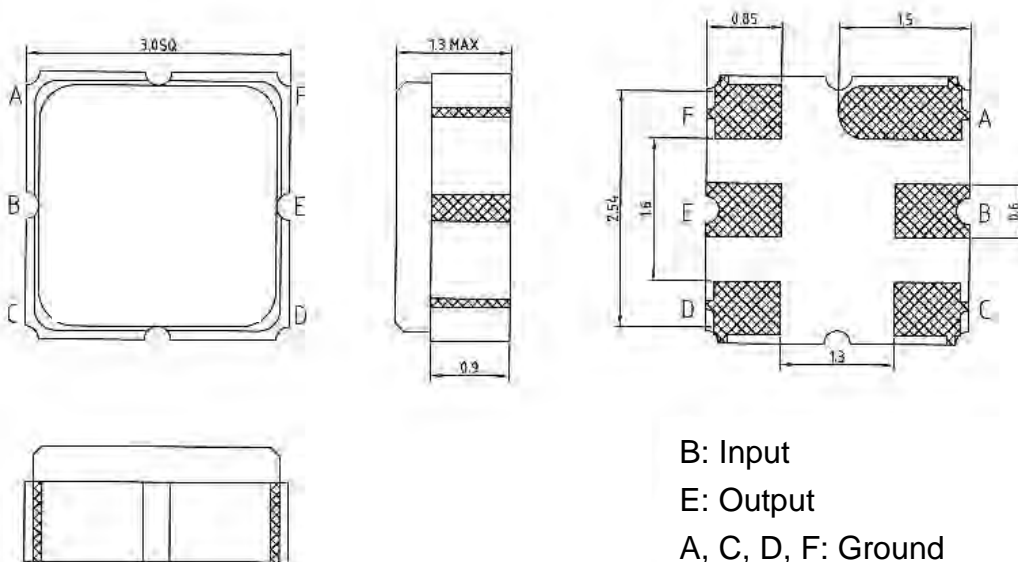
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**C. MEASUREMENT CIRCUIT:**



**D. OUTLINE DRAWING:**



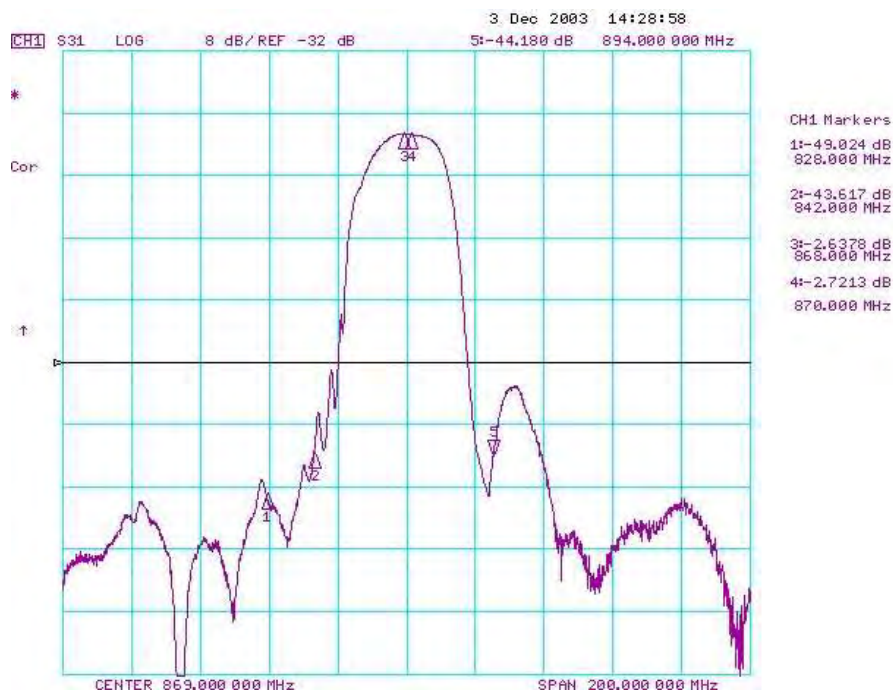
B: Input  
E: Output  
A, C, D, F: Ground  
Unit: mm

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**E. FREQUENCY CHARACTERISTICS:**

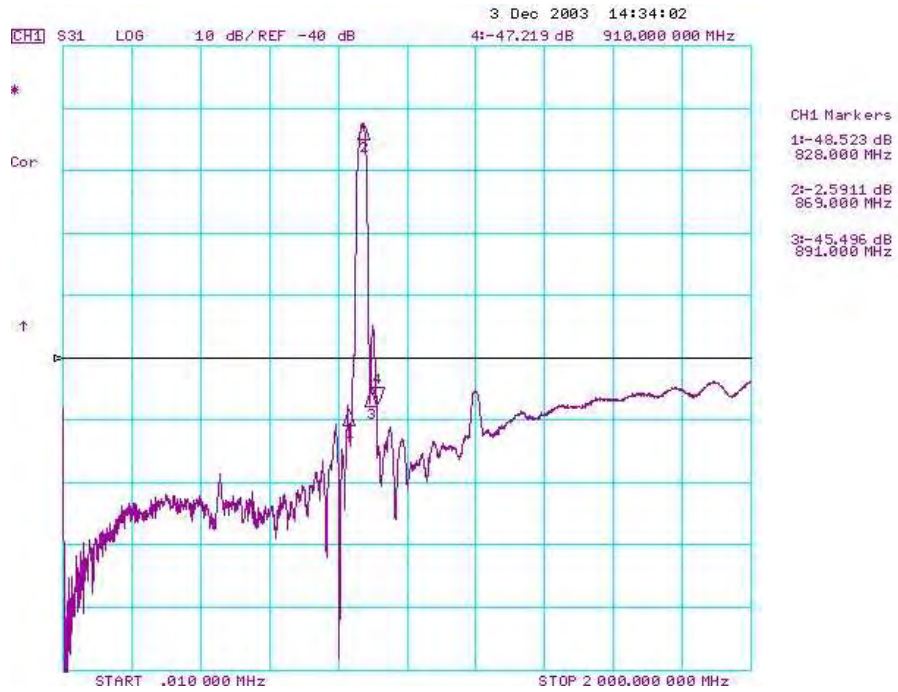
Narrow Band



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Wideband

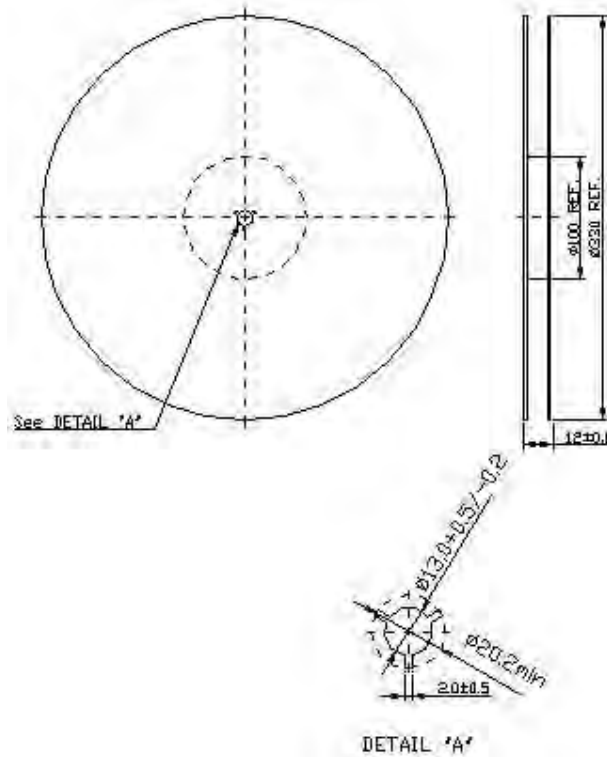


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**F. PACKING:**

**1. REEL DIMENSION**



**2. TAPE DIMENSION**

