

**SAW Filter: 462.50MHz**  
**Part No: MP05558**

**Model: TA1478A**  
**Rev No: 1**

**A. MAXIMUM RATING:**

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

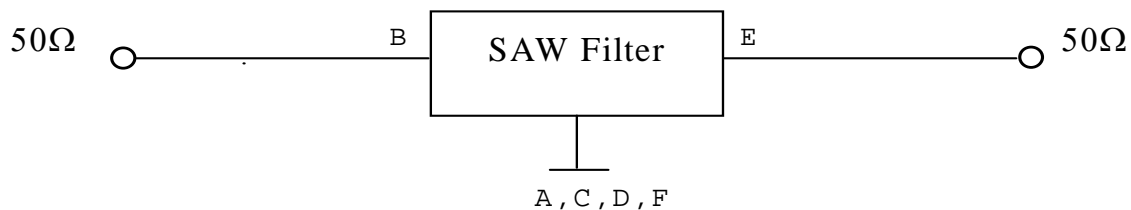
**Electrostatic Sensitive Device (ESD)**

**B. ELECTRICAL CHARACTERISTICS:**

| Item   | Unit    | Min. | Typ.  | Max. |
|--|---------|------|-------|------|
| <b>Center frequency</b> <b>Fc</b>              | MHz     | -    | 462.5 | -    |
| <b>Insertion Loss</b> (461~464 MHz) <b>IL</b>  | dB      | -    | 1.7   | 3.2  |
| <b>Amplitude Ripple</b> (461~464 MHz)          | dB      | -    | 0.1   | 1.6  |
| <b>VSWR</b> (461~464 MHz)                      | -       | -    | 1.3   | 2.3  |
| <b>Attenuation</b> (Reference level from 0 dB) |         |      |       |      |
| 10 ~ 420 MHz                                   | dB      | 55   | 67    | -    |
| 420 ~ 445 MHz                                  | dB      | 45   | 56    | -    |
| 480 ~ 490 MHz                                  | dB      | 30   | 38    | -    |
| 490 ~ 740 MHz                                  | dB      | 50   | 56    | -    |
| 740 ~ 1000 MHz                                 | dB      | 42   | 53    | -    |
| Temperature coefficient of frequency Tcf       | ppm /°C | -    | -36   | -    |

**C. MEASUREMENT CIRCUIT:**

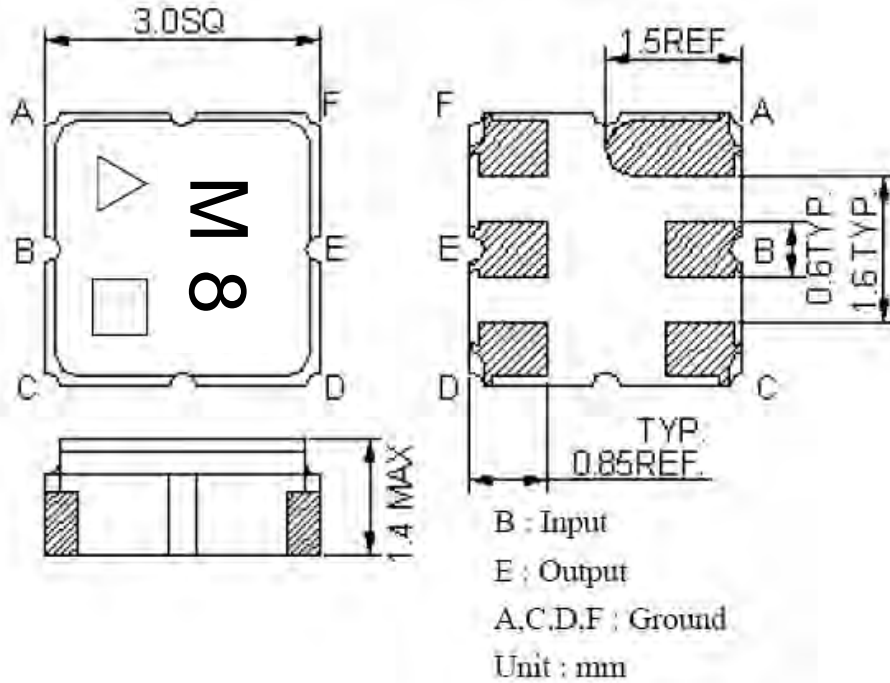
HP Network analyzer



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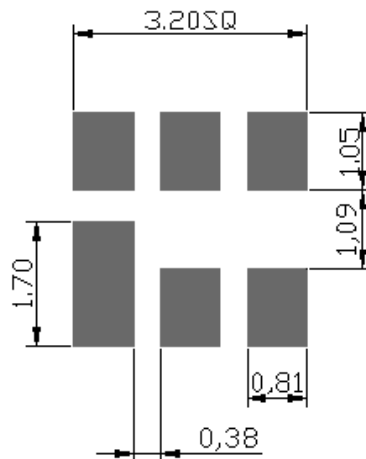
**D. OUTLINE DRAWING:**



△ : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

□ : Date Code

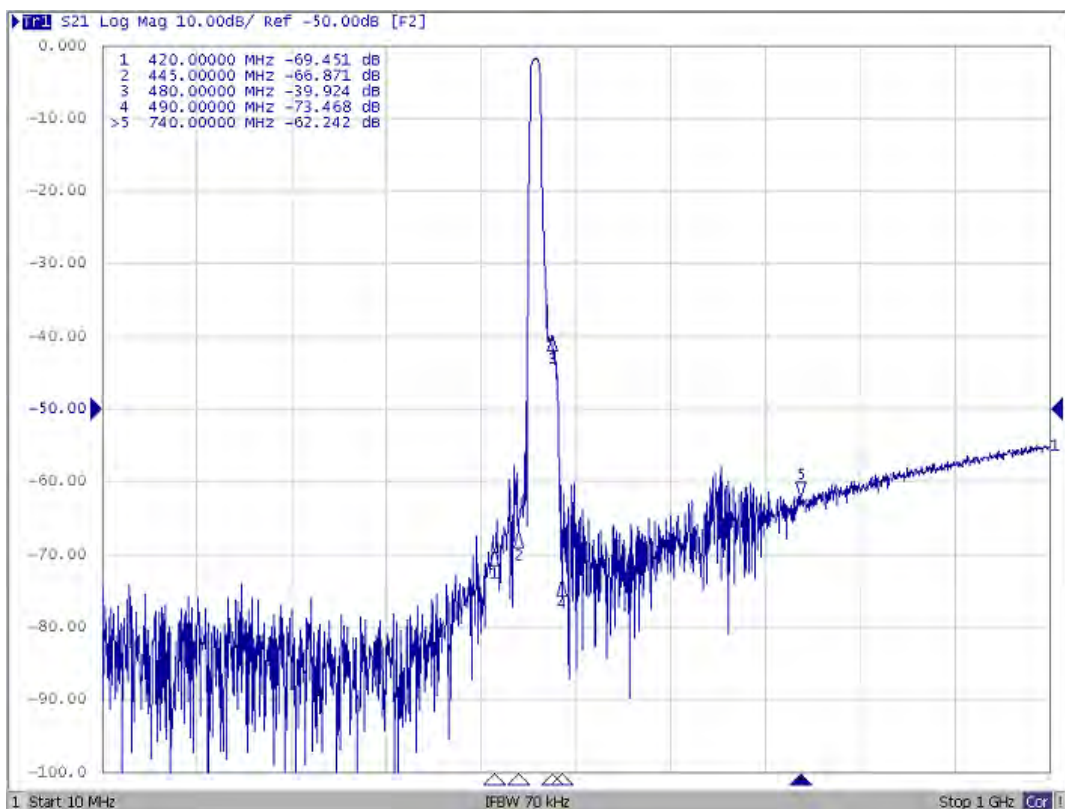
**E. PCB FOOTPRINT:**



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**F. FREQUENCY CHARACTERISTICS:**





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**H. RECOMMENDED REFLOW PROFILE:**

