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SAW Filter 1484.3 MHz

MODEL NO.:TA1624A

REV. NO.:1

A. MAXIMUM RATING:

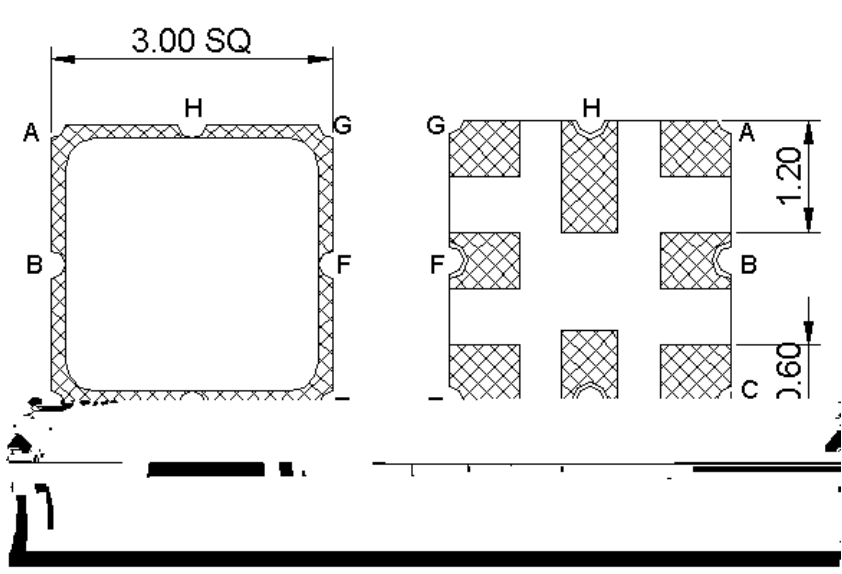
1. Input Power Level: 10 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C **Electrostatic Sensitive Device (ESD)**
4. Storage Temperature: -50°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

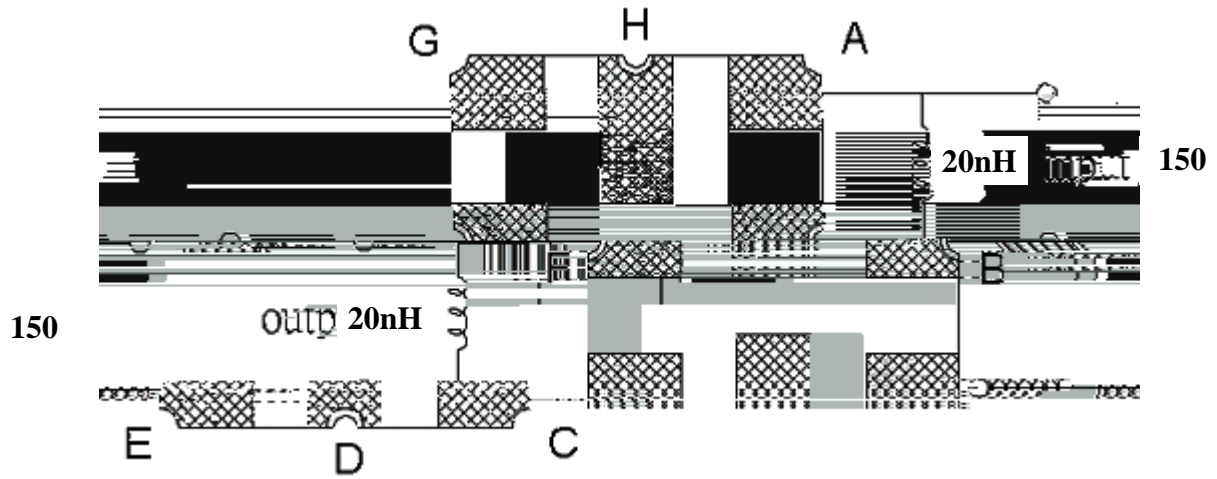
Terminating source impedance (differential) : $Z_s = 150 \quad // \quad 20 \text{ nH}$

Terminating load impedance (differential) : $Z_L = 150 \quad // \quad 20 \text{ nH}$

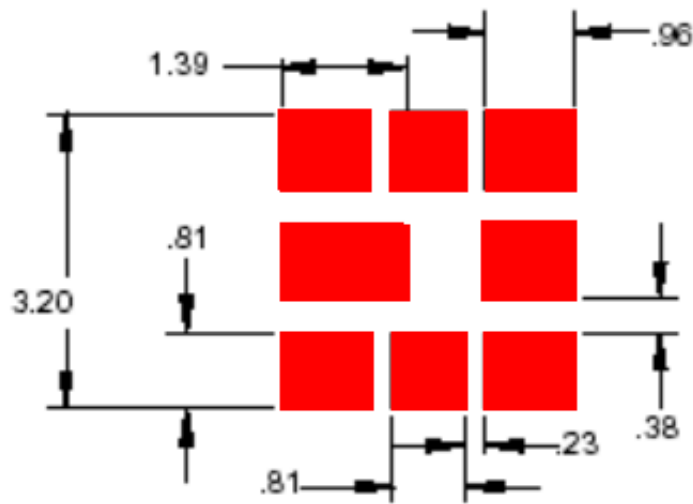
| Item | Unit | Min. | Typ. | Max. | Note |
|---|------|------|--------|------|------|
| Center Frequency F_c | MHz | - | 1484.3 | - | - |
| Bandwidth at -2 dB | MHz | 46 | 71 | - | - |
| Insertion Loss in 1461.3~1507.3 MHz | dB | - | 2.9 | 5 | - |
| Amplitude ripple (1461.3 MHz ~ 1507.3 MHz) | dB | - | 0.7 | 2 | - |



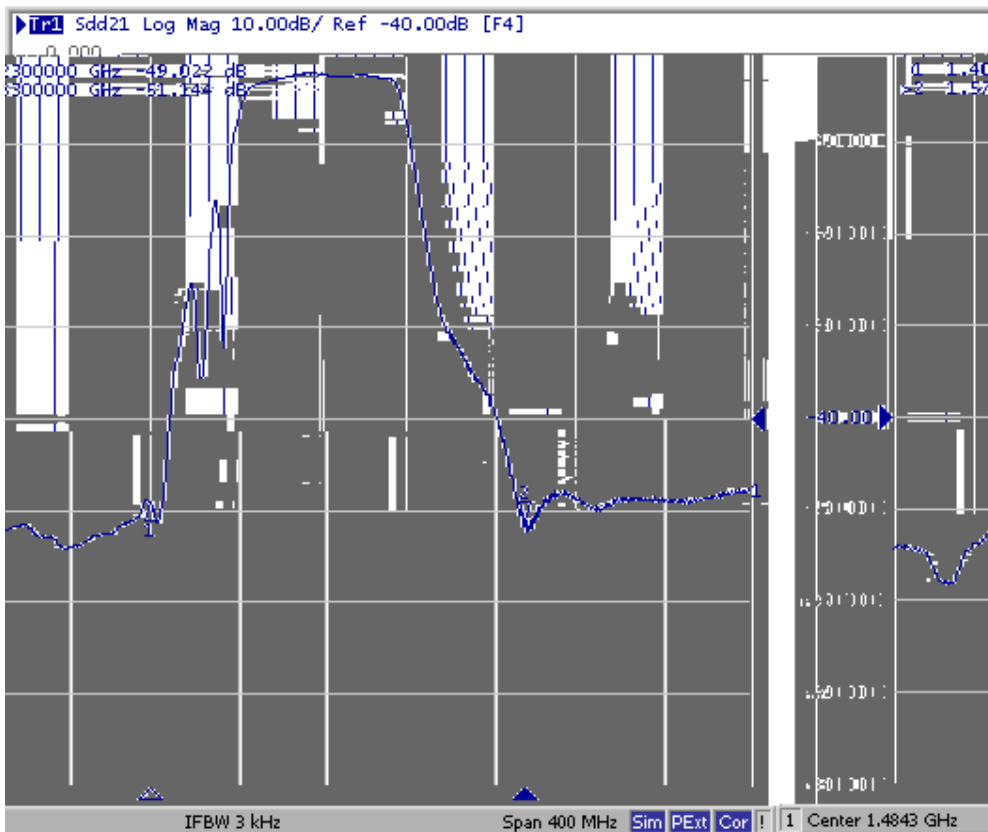
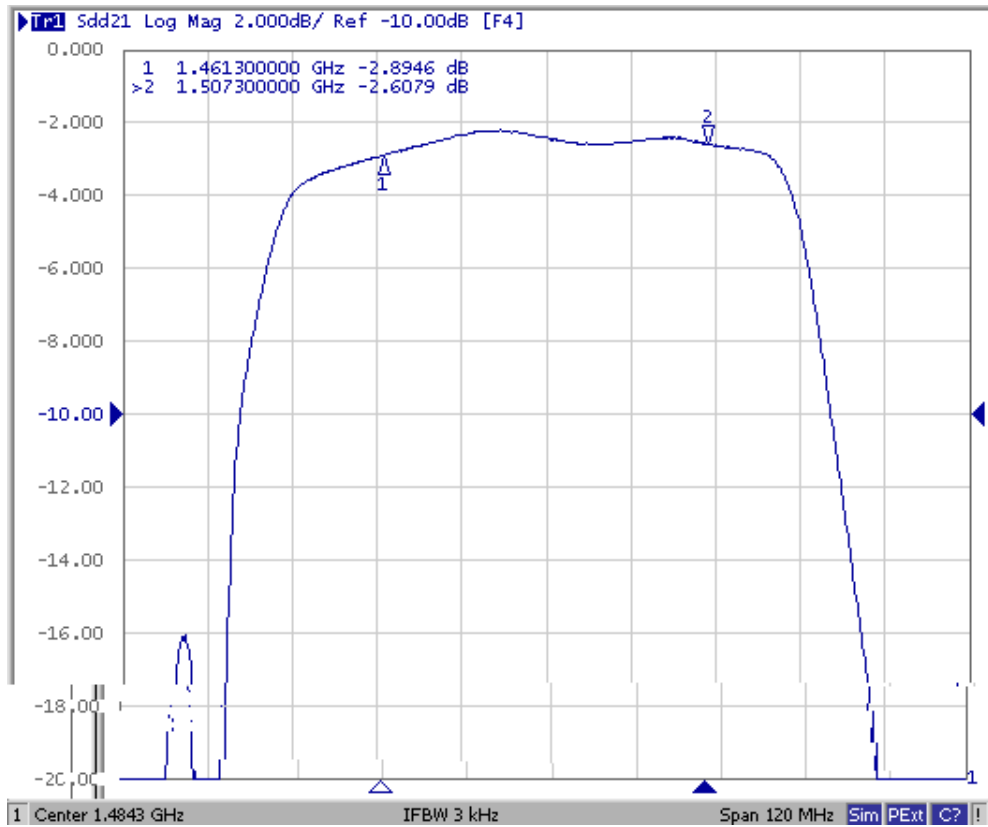
D. MEASUREMENT CIRCUIT:



E. PCB Footprint:



F. Frequency Characteristics :

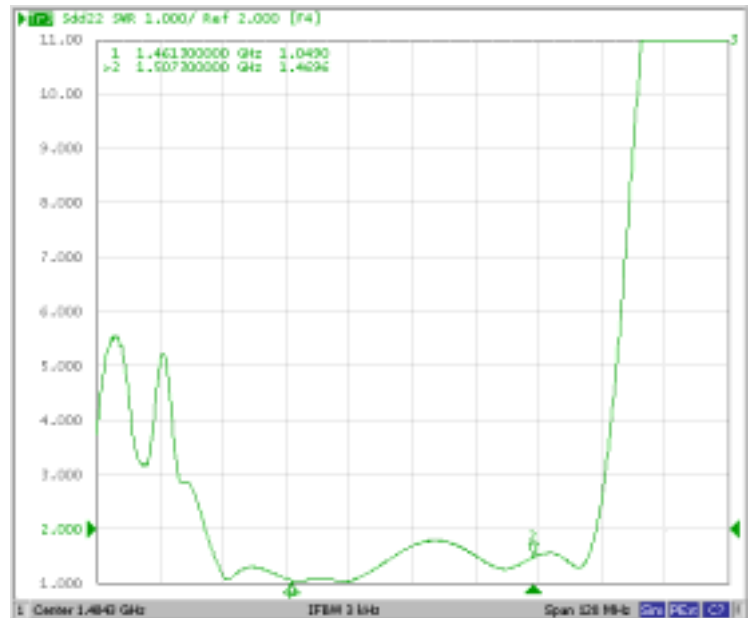
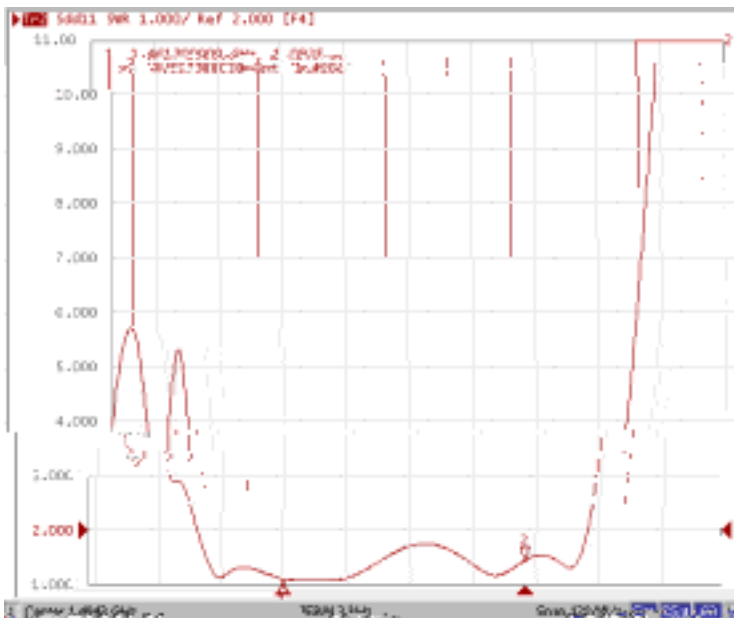




Reflection Functions :

S11

S22

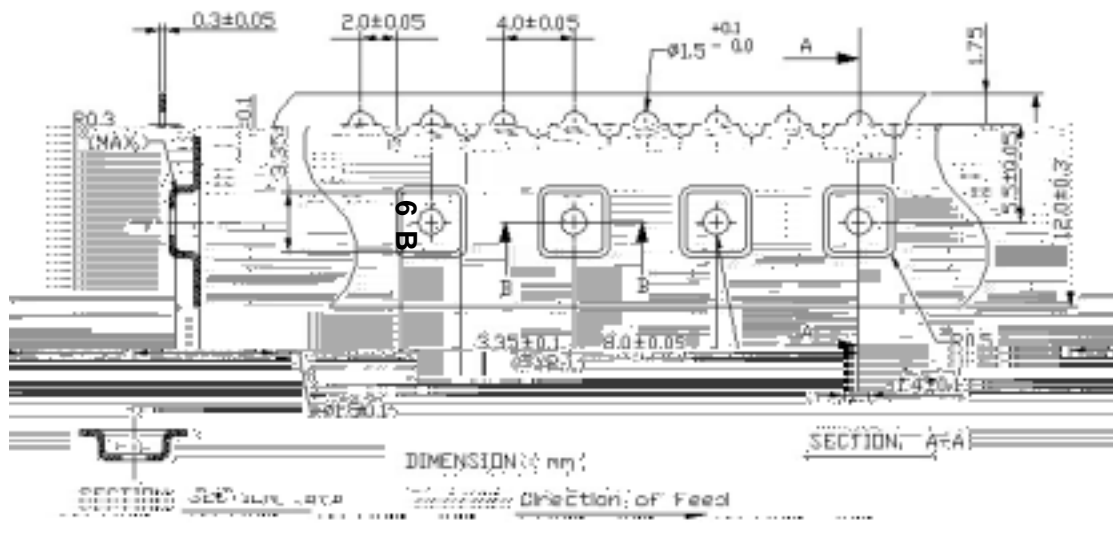


G. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)

2.TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180 for 60~90 seconds.
2. Ascending time to preheating temperature 150 shall be 30 seconds min.
3. Heating shall be fixed at 220 for 50~80 seconds and at 245~260 peak (min. 10sec).
4. Time : 2 times.

