

SAW Filter 618.250MHz
Part No: MP08139

Model: TA1650A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

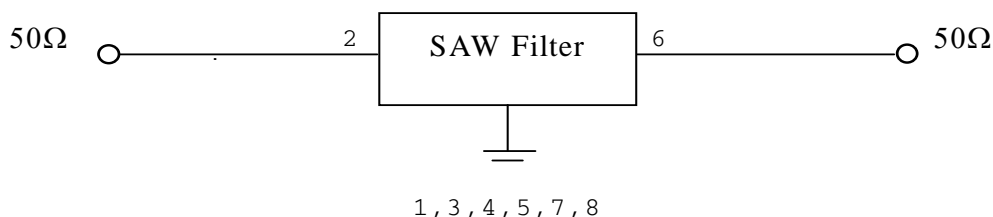
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: 0°C to +50°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

| Item | Unit | Min. | Typ. | Max. |
|--|-------|------|--------|------|
| Center frequency Fc | MHz | - | 618.25 | - |
| Insertion Loss at Fc IL | dB | - | 2.4 | 3.5 |
| Amplitude Ripple (617 ~ 619.5MHz) | dB | - | 0.2 | 1.5 |
| 2dB Bandwidth BW2dB | MHz | 2.5 | 8 | - |
| Group Delay Ripple (617 ~ 619.5MHz) | ns | - | 30 | 100 |
| VSWR (617 ~ 619.5MHz) | - | - | 1.3 | 2.0 |
| Attenuation (Reference level from 0dB) | | | | |
| DC ~ 609.5MHz | dB | 35 | 44 | - |
| 627.5 ~ 900MHz | dB | 15 | 43 | - |
| 900 ~ 1300MHz | dB | 40 | 48 | - |
| 1300 ~ 2000MHz | dB | 20 | 27 | - |
| 2000 ~ 2100MHz | dB | 15 | 23 | - |
| 2100 ~ 3000MHz | dB | 3 | 5 | - |
| Temperature coefficient of frequency | ppm/k | - | -30 | - |

C. MEASUREMENT CIRCUIT:

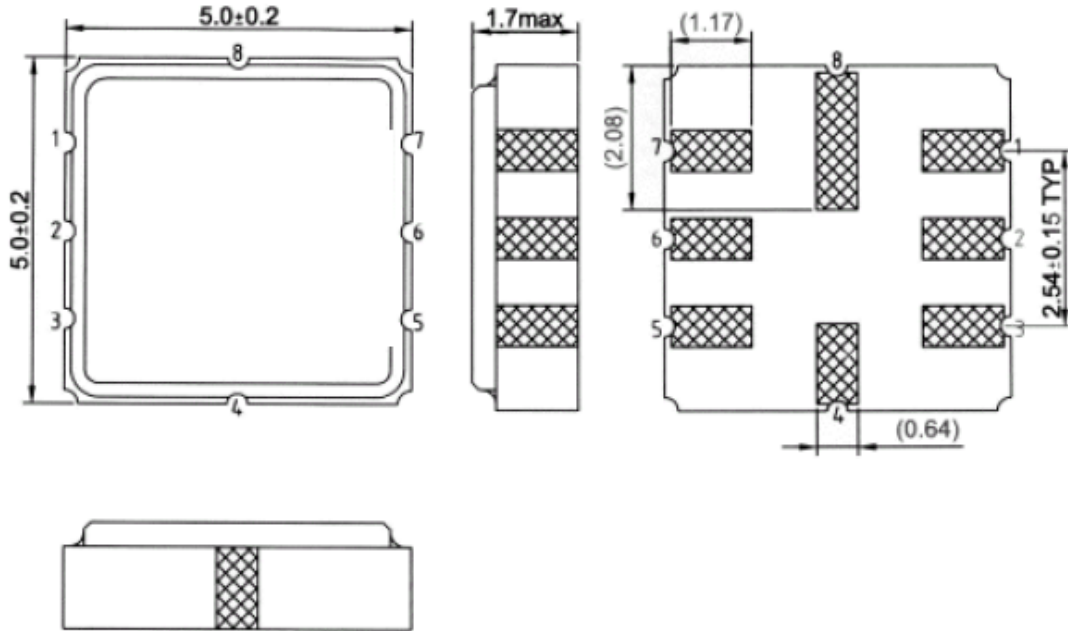
HP Network analyzer



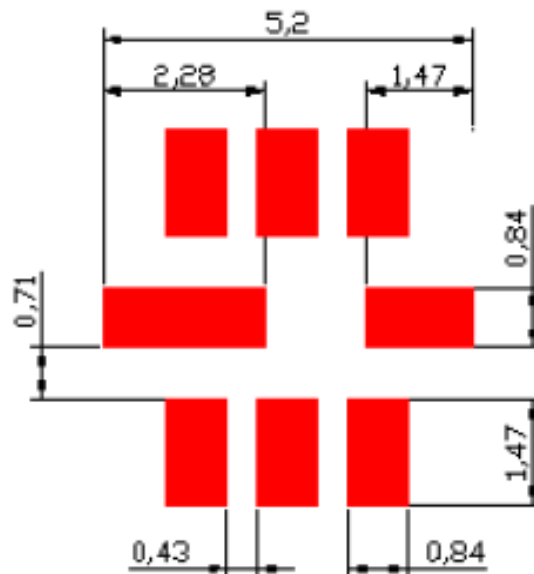
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D. OUTLINE DRAWING:



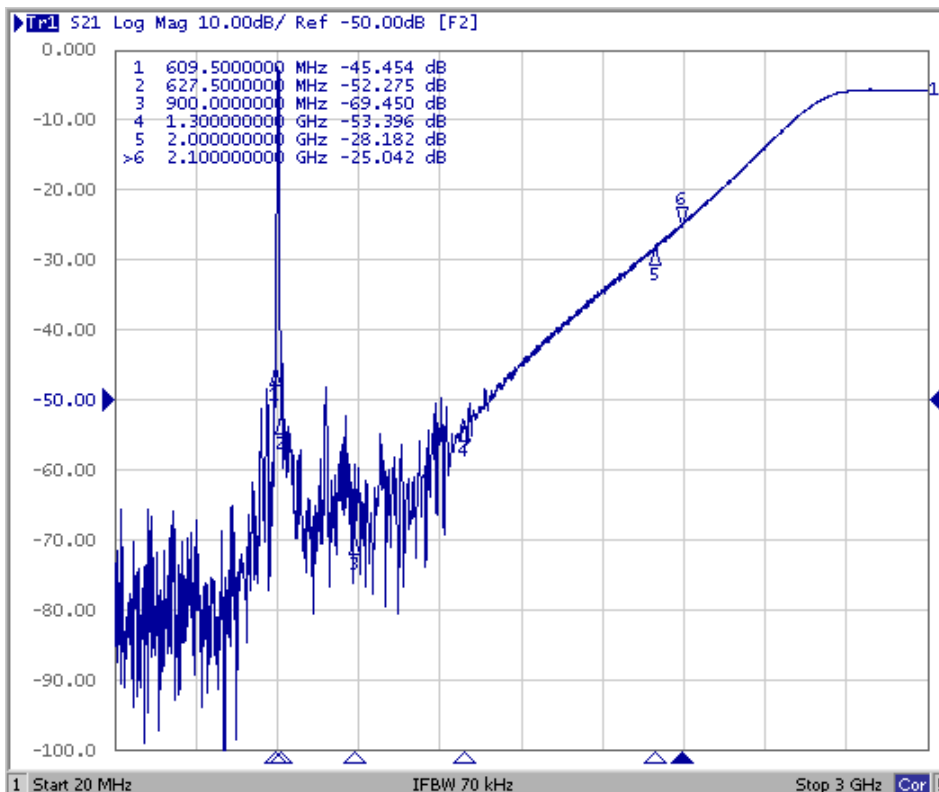
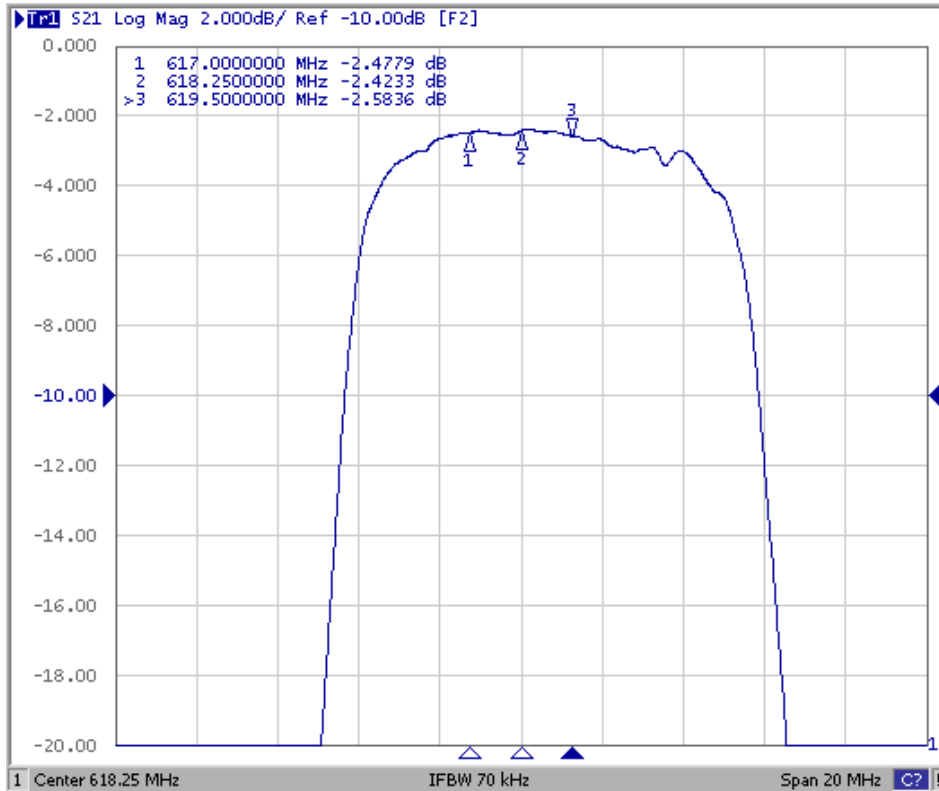
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

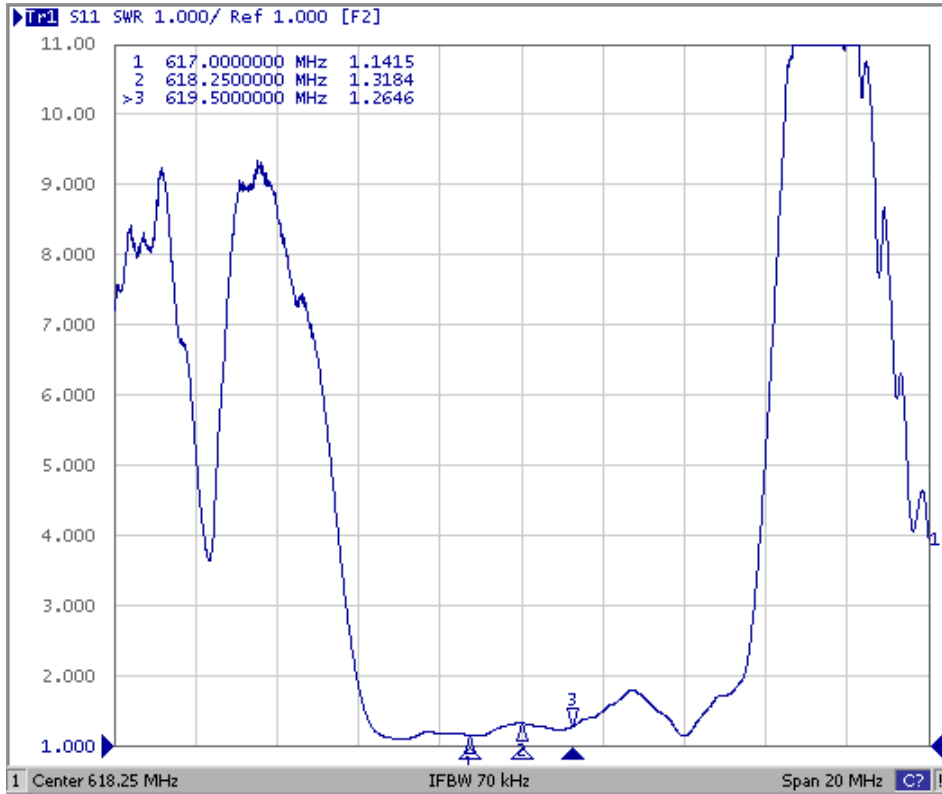


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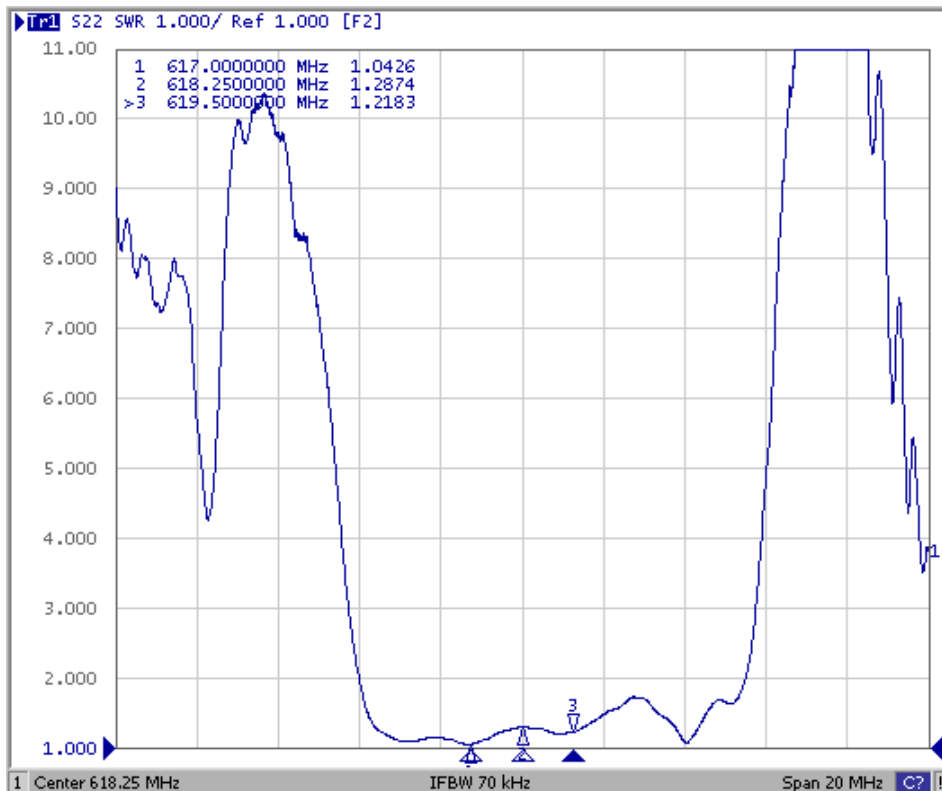
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Reflection Functions

S11



S22



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H. RECOMMENDED REFLOW PROFILE:

