



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

140 MHz Saw Filter

Part Number: AM140S617



| Parameters Description | Unit | Minimum | Typical | Maximum |
|---------------------------|------------------------|---------|---------|---------|
| Center Frequency (Fo) | MHz | 139.85 | 140.00 | 140.15 |
| Insertion Loss at Fo | dB | - | 24.00 | 25.5 |
| Passband Ripple Variation | dB | - | 0.75 | 1.00 |
| Group Delay Variation | nsec | - | 70 | 120 |
| Absolute Delay at Fo | usec | - | 1.06 | - |
| Bandwidth at 3.0 dB | MHz | 28.00 | 28.20 | - |
| Bandwidth at 40.0 dB | MHz | - | 33.00 | 33.30 |
| Ultimate Attenuation | dB | 50 | 60 | - |
| Substrate Material | 128 LiNbO ₃ | | | |

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|--|------|---------|---------|---------|
| Operation Temperature Range | °C | -30 | - | +80 |
| Storage Temperature Range | °C | -40 | - | +85 |
| Maximum DC Voltage | V | - | - | 10 |
| Maximum Input Power | dBm | - | - | 10 |
| Source Impedance (Single Ended) ₁ | Ω | - | 50 | - |
| Load Impedance (Single Ended) ₁ | Ω | - | 50 | - |

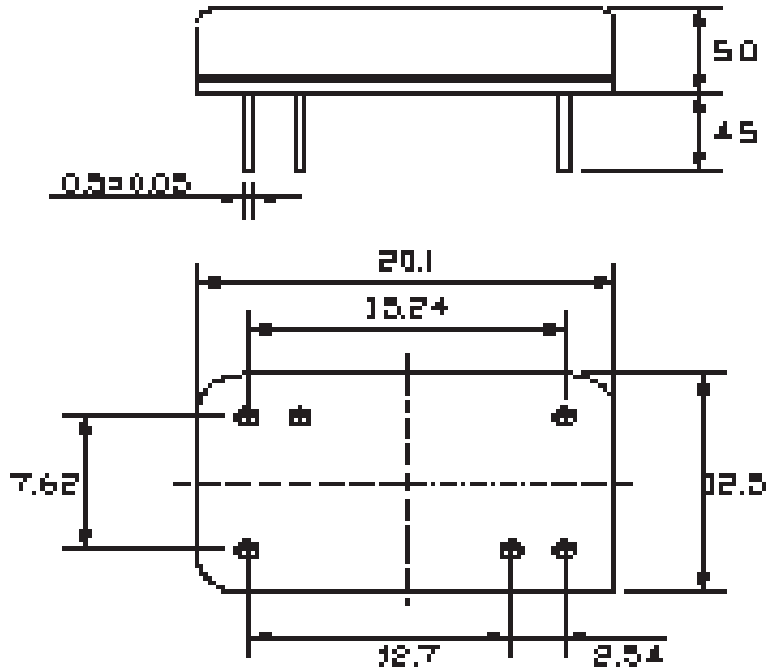


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Outline Drawing:



Testing Environment:



Bottom View

Source/Load Impedance = 50 Ω

Ambient Temperature = 25°C



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Frequency Response:

