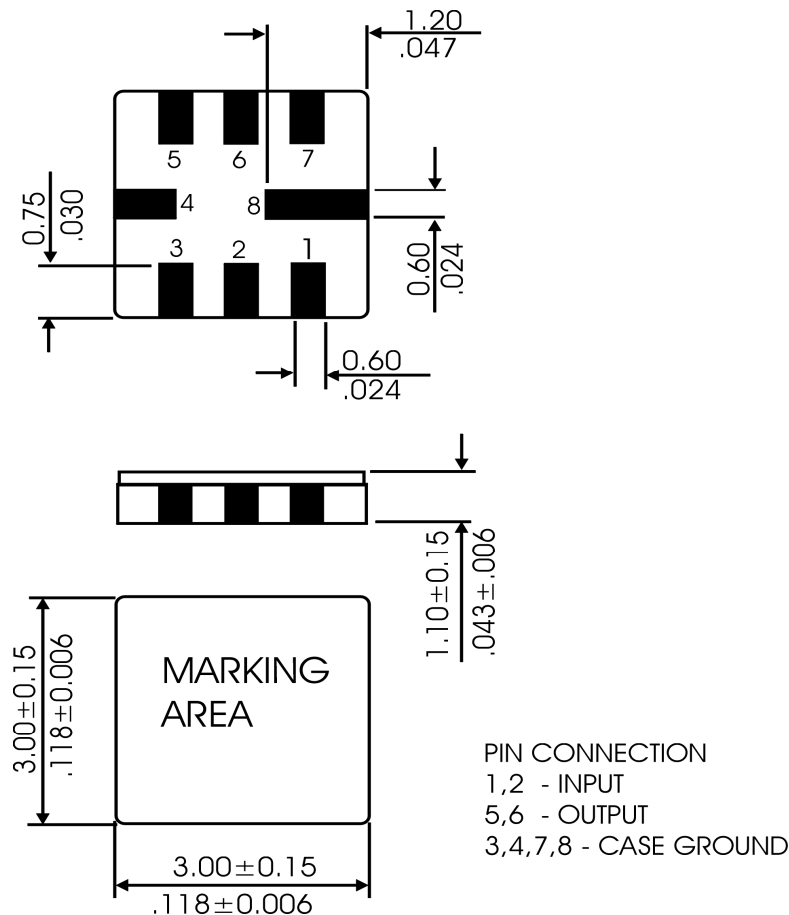
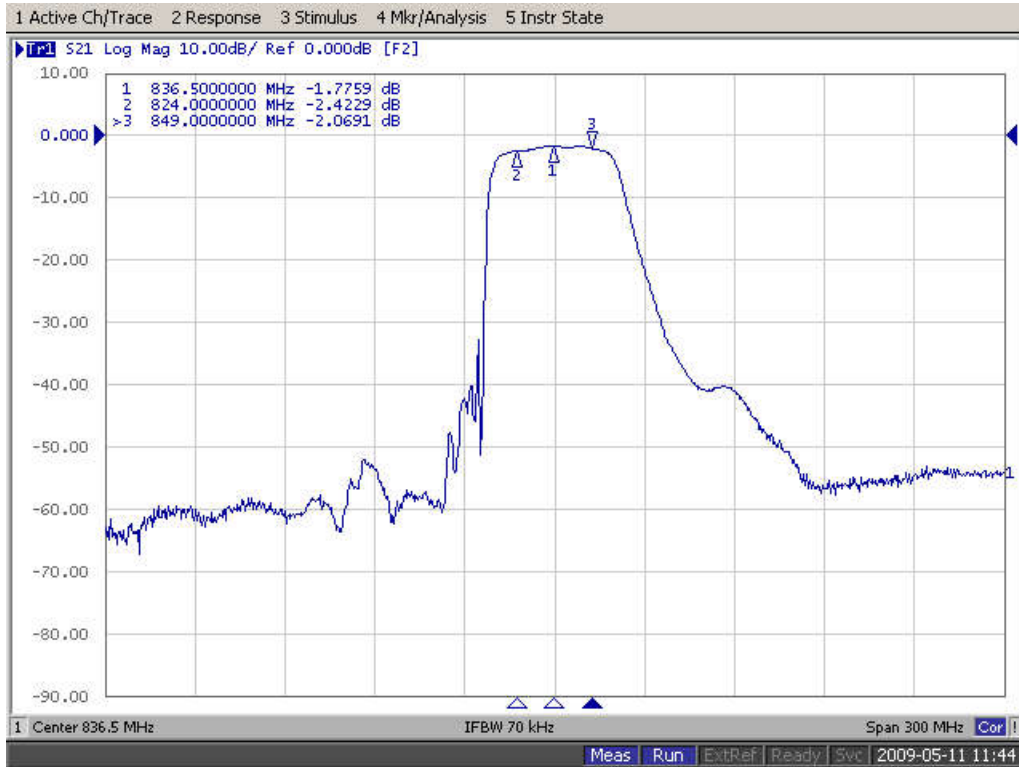


| Items | Specification | Unit | |
|-----------------------------------|-------------------------|--------|--------|
| Center frequency (Fo) | 836.500 | MHz | |
| Bandwidth | 25000 | KHz | |
| Insertion Loss in BW | 3.1 | dB max | |
| Pass band Ripple (p-p) | 1.5 | dB max | |
| Absolute Delay, maximum | 60 | nsec | |
| Group Delay Ripple (p-p), maximum | 50 | nsec | |
| Relative Attenuation | DC ~ 800.0 MHz | 30 | dB min |
| | 869.0 MHz ~ 894.0 MHz | 20 | dB min |
| | 894.0 MHz ~ 920.0 MHz | 34 | dB min |
| | 920.0 MHz ~ 1210.0 MHz | 40 | dB min |
| | 1210.0 MHz ~ 1500.0 MHz | 30 | dB min |
| | 1500.0 MHz ~ 2000.0 MHz | 25 | dB min |
| VSWR, maximum | 2.0 | | |
| In/Out Impedance | 50 Ω | | |
| Input Power, maximum | 10 dBm | | |
| Operation Temperature | -30°C to +85°C | | |
| Storage Temperature | -40°C to +85°C | | |

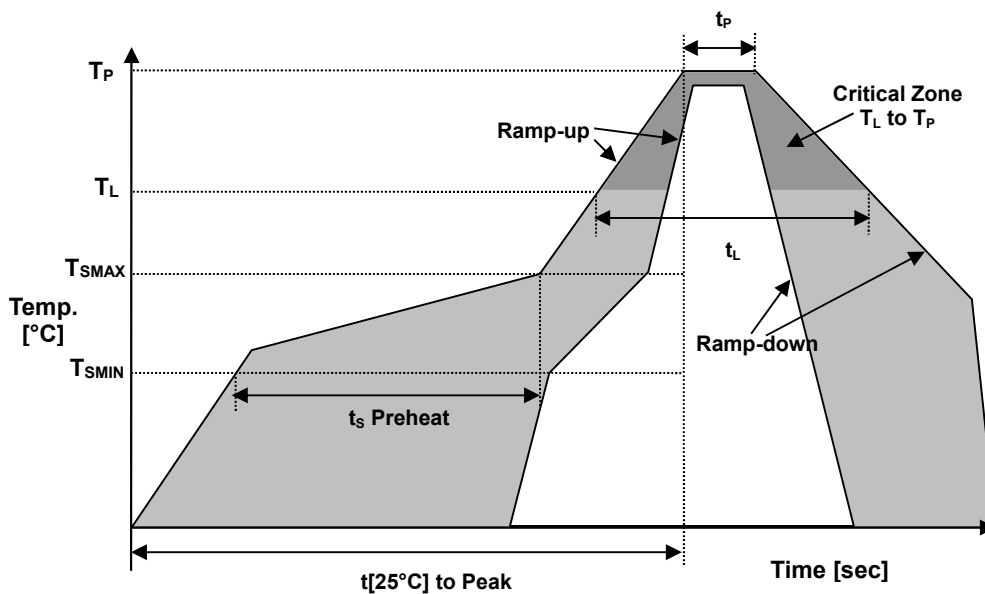
Dimension



Frequency Characteristics



REFLOW PROFILE



| Reflow profile | | |
|-------------------------------------|-----------------|--------------|
| Temperature Min Preheat | T_{SMIN} | 150°C |
| Temperature Max Preheat | T_{SMAX} | 200°C |
| Time (T_{SMIN} to T_{SMAX}) | t_S | 60-180 sec. |
| Temperature | T_L | 217°C |
| Peak Temperature | T_P | 260°C |
| Ramp-up rate | R_{UP} | 3°C/sec max. |
| Ramp-down rate | R_{DOWN} | 6°C/sec max. |
| Time within 5°C of Peak Temperature | t_P | 10 sec. |
| Time t[25°C] to Peak Temperature | t[25°C] to Peak | 480 sec. |
| Time | t_L | 60-150 sec. |

Environmental

| PARAMETER | VALUE |
|----------------------------|-----------|
| MOISTURE SENSITIVITY LEVEL | 1 |
| REACH – SVHC | Compliant |
| RoHS 2 | 6/6 |

April 2016