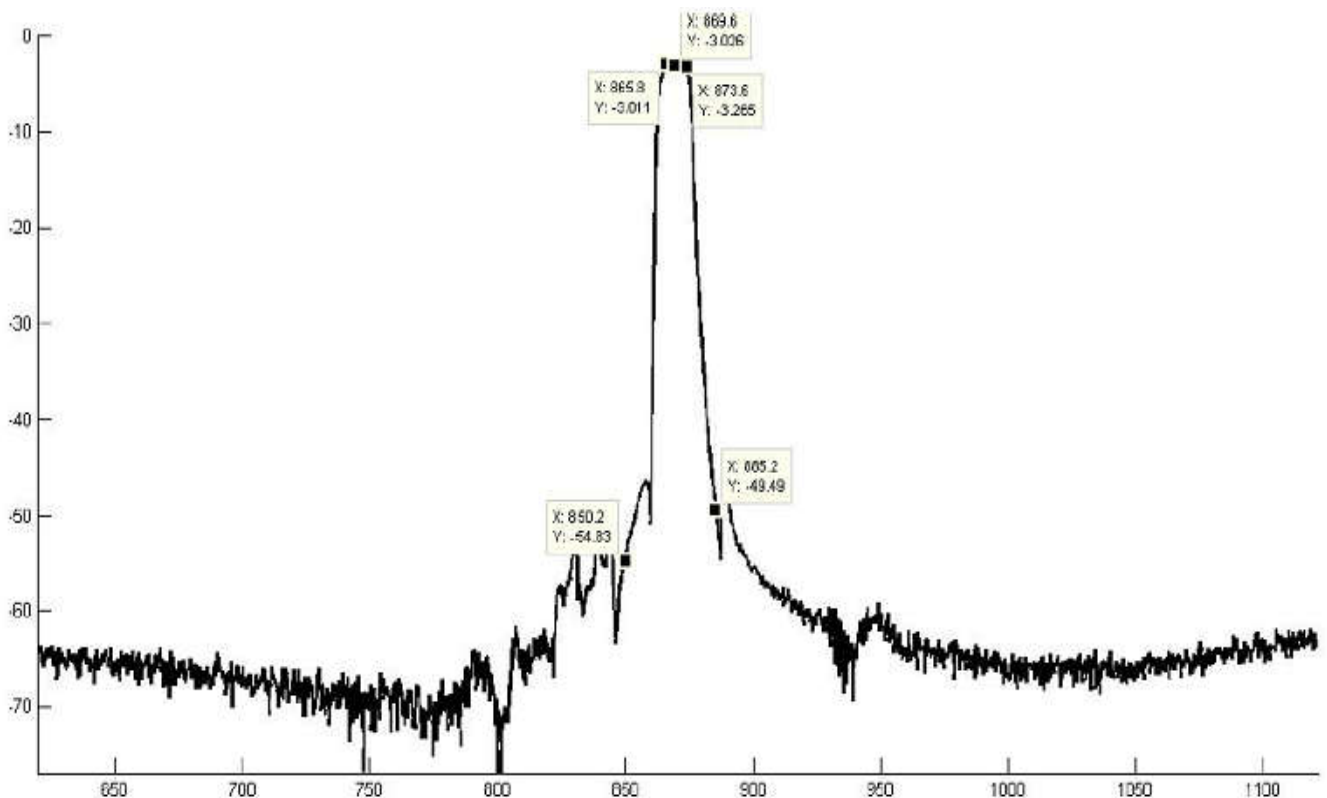
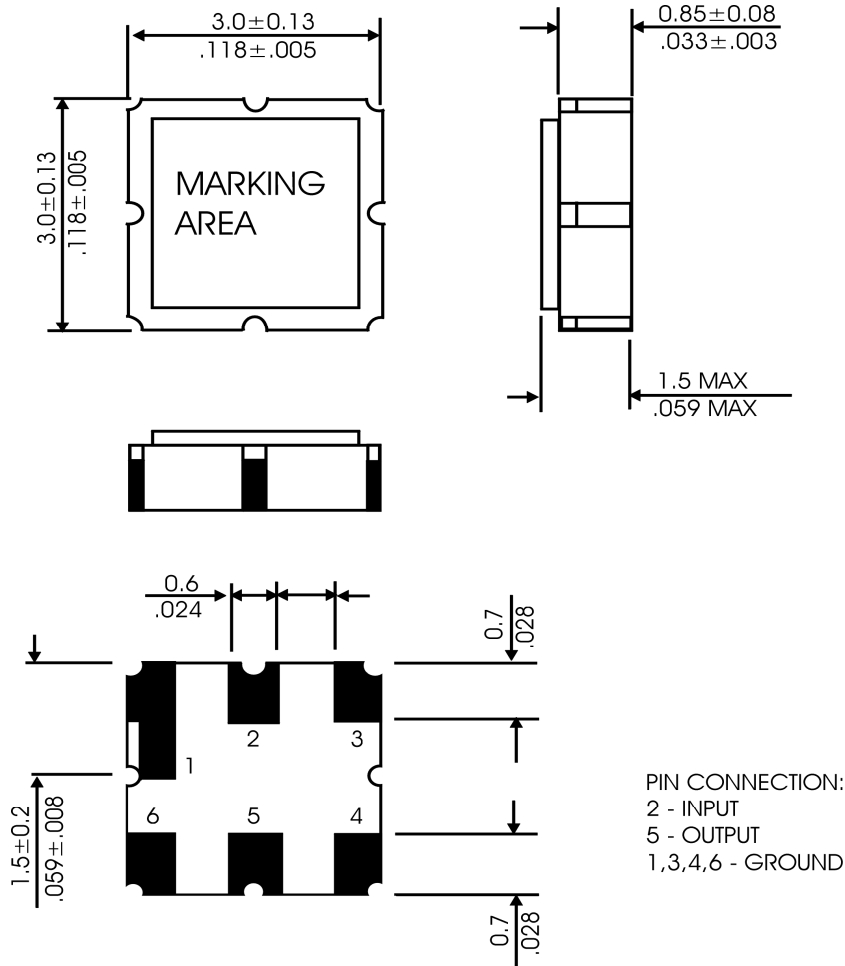


| Parameters | | Specification | Unit |
|-----------------------------------|---------------------|-----------------|------|
| Center frequency (fo) | | 869.500 | MHz |
| Bandwidth | | 869.500 ± 2.000 | MHz |
| Insertion Loss in BW, typ / max | | 2.8 / 3.5 | dB |
| Amplitude Ripple in BW, typ / max | | 0.5 / 1.5 | dB |
| Attenuation, min / typ | 50 MHz ~ 791 MHz | 40 / 60 | dB |
| | 791 MHz ~ 821 MHz | 40 / 60 | dB |
| | 821 MHz ~ 850 MHz | 35 / 50 | dB |
| | 885 MHz ~ 925 MHz | 35 / 45 | dB |
| | 925 MHz ~ 960 MHz | 40 / 58 | dB |
| | 960 MHz ~ 2000 MHz | 30 / 55 | dB |
| | 2000 MHz ~ 3000 MHz | 20 / 50 | dB |
| VSWR in BW, typ / max | | 1.6 / 2.0 | dB |
| In/Out Impedance | | 50 | Ω |
| DC Voltage, max | | 10 | V |
| Input Power, max | | 15 | dB |
| Operating Temperature Range | | -40 to +85 | °C |
| Storage Temperature Range | | -40 to +85 | °C |

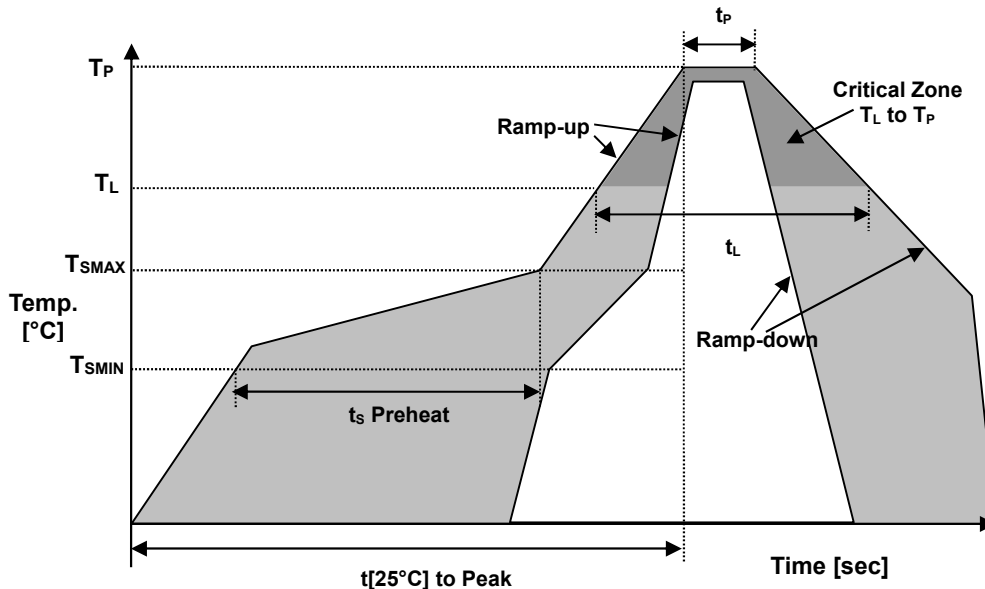
Frequency Characteristics



Dimension



● **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