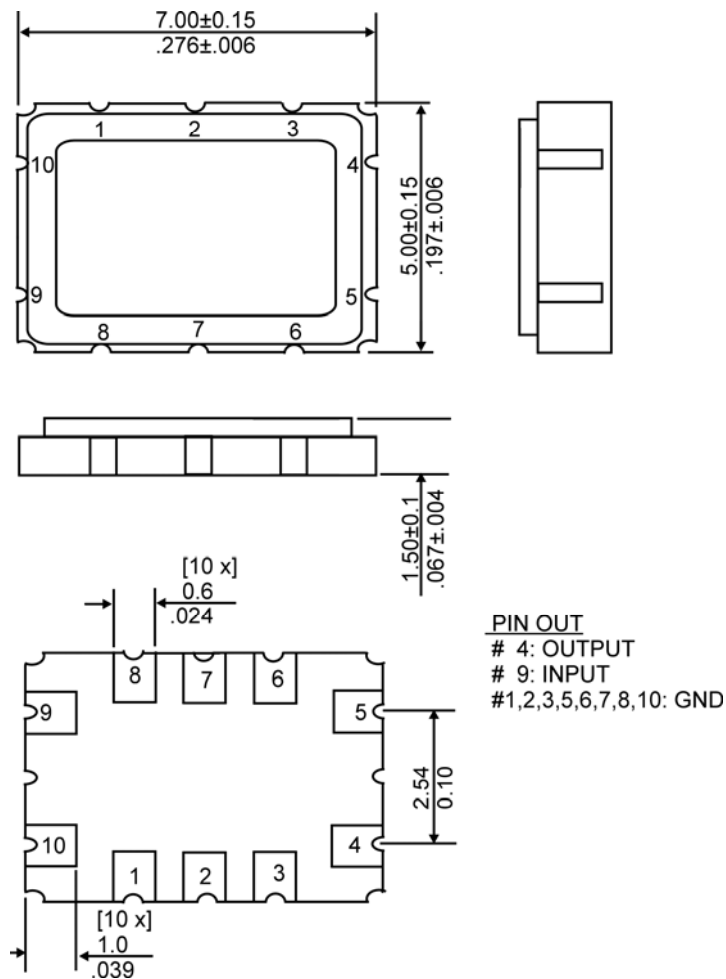
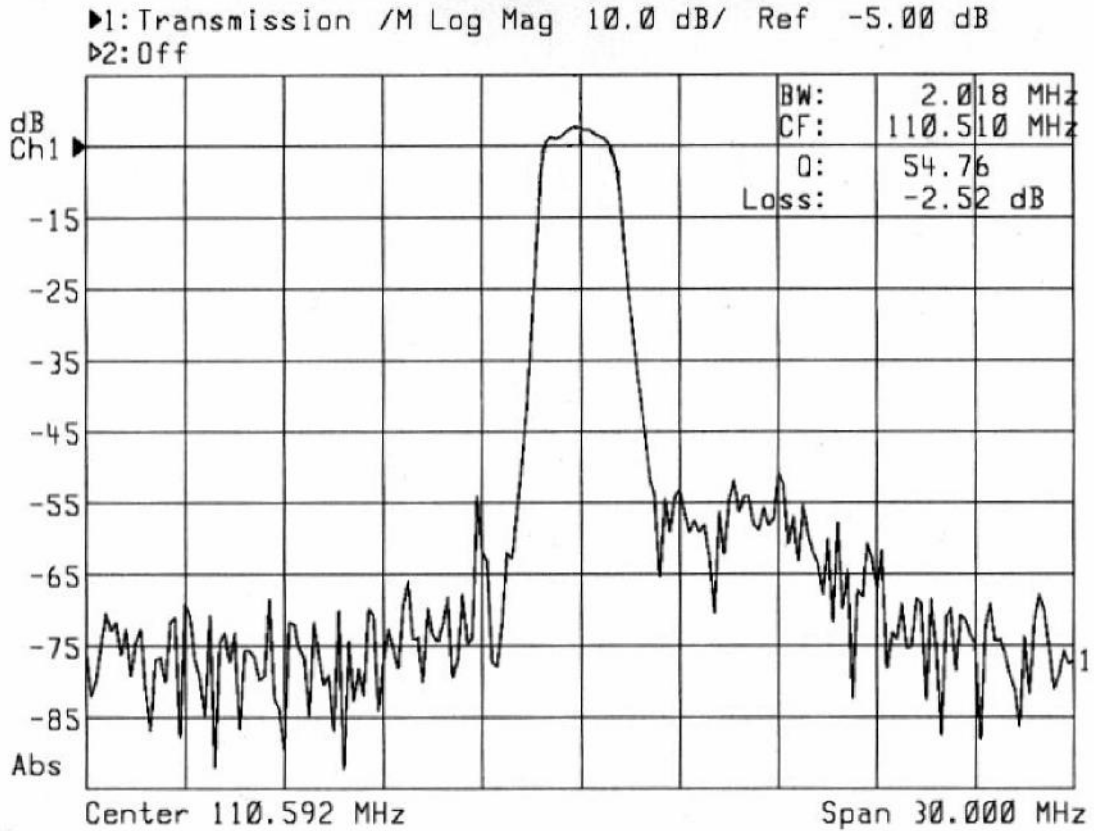


| Items                             | Specification             | Unit   |        |
|-----------------------------------|---------------------------|--------|--------|
| Center frequency (Fo)             | 110.592                   | MHz    |        |
| Bandwidth                         | 1152                      | KHz    |        |
| Insertion Loss in BW              | 4.5                       | dB max |        |
| Group Delay Ripple (p-p), maximum | 0.7                       | μsec   |        |
| Relative Attenuation              | 105.592 MHz               | 50     | dB min |
|                                   | 107.092 MHz               | 42     | dB min |
|                                   | 108.592 MHz ~ 112.592 MHz | 30     | dB min |
|                                   | 114.092 MHz               | 40     | dB min |
|                                   | 115.592 MHz               | 40     | dB min |
| In/Out Impedance                  | 300 Ω // 1.2 μH           |        |        |
| DC Voltage                        | 3 Vdc                     |        |        |
| Input Power, maximum              | 0 dBm                     |        |        |
| Operation Temperature             | -20°C to +70°C            |        |        |
| Storage Temperature               | -40°C to +85°C            |        |        |

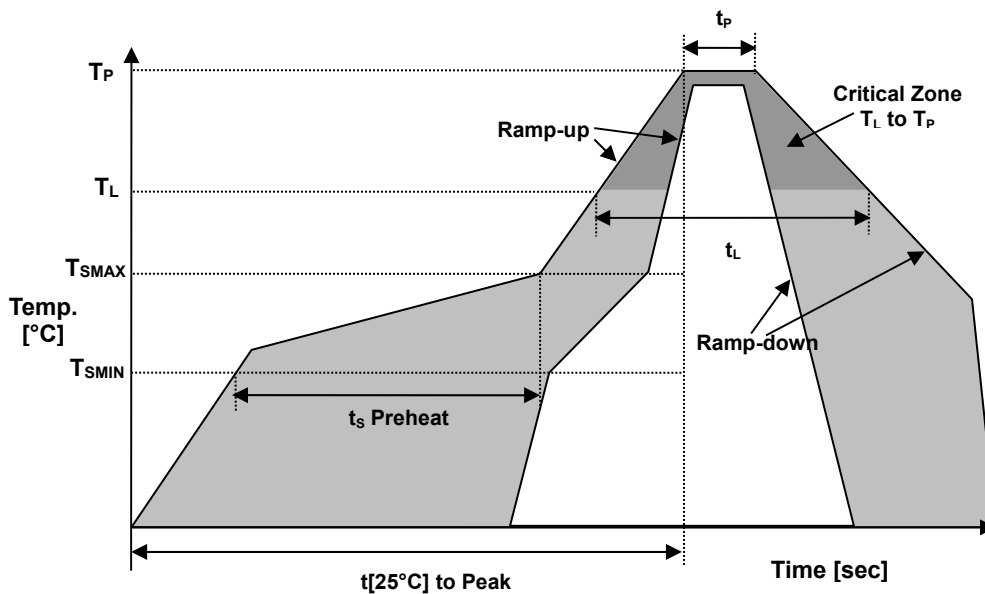
### Dimension



### 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       |

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