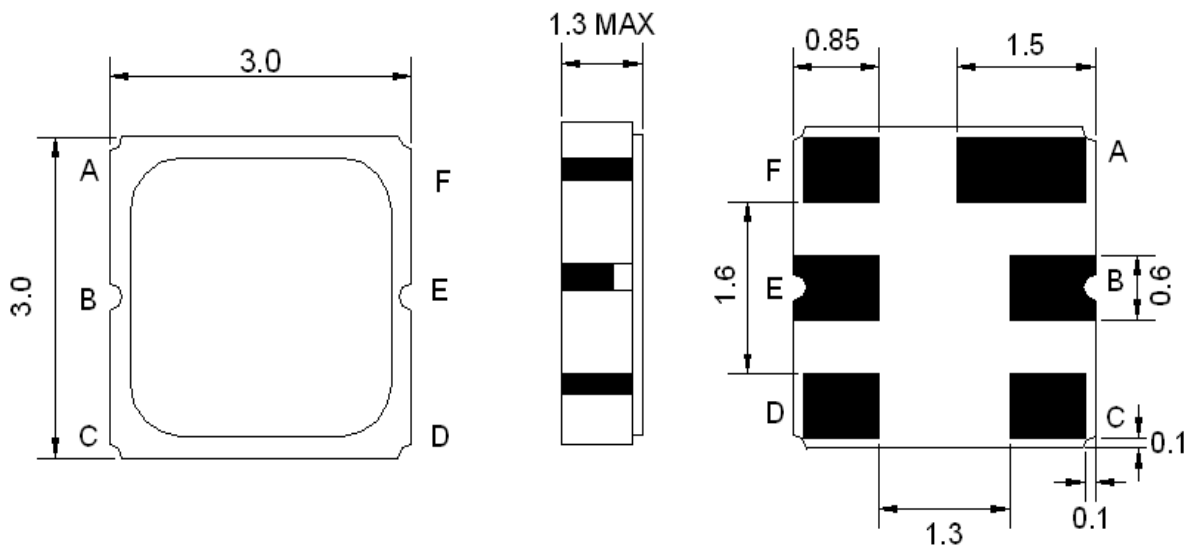


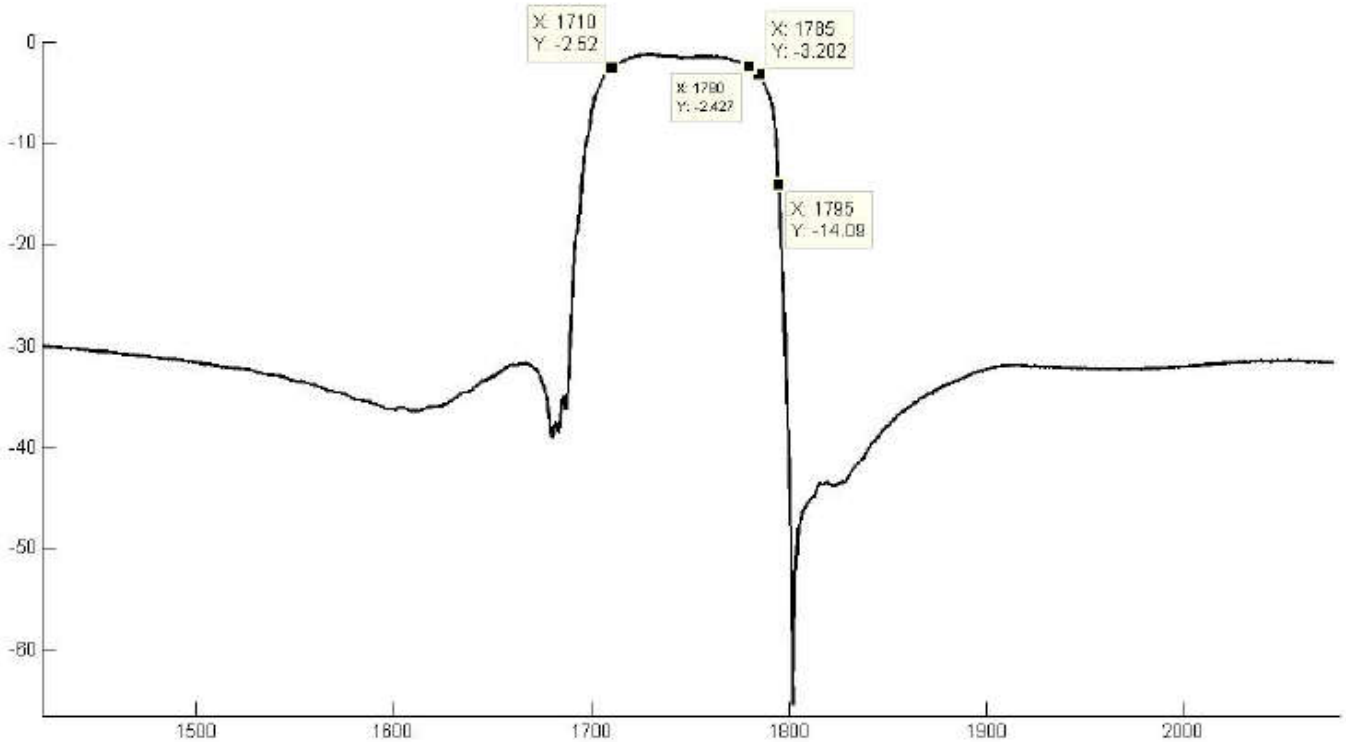
| Parameters | | Specification | Unit |
|---------------------------------|---------------------|---------------|--------------------|
| Center frequency(Fo) | | 1747.500 | MHz |
| Bandwidth (Bw) | | 75000 | kHz |
| Insertion loss in Bw, typ/max | 1710 MHz ~ 1780 MHz | 2.5 / 3.0 | dB |
| | 1780 MHz ~ 1785 MHz | 3.2 / 4.0 | dB |
| Amplitude Ripple in Bw, typ/max | 1710 MHz ~ 1780 MHz | 1.0 / 1.5 | dB |
| | 1780 MHz ~ 1785 MHz | 1.7 / 2.5 | dB |
| Attenuation min/typ | 500 MHz ~ 1200 MHz | -25 / -28 | dB |
| | 1600 MHz ~ 1680 MHz | -25 / -28 | dB |
| | 1795 MHz | -10 / -14 | dB |
| | 1805 MHz ~ 3000 MHz | -25 / -30 | dB |
| In/Out Impedance | | 50 | Ω |
| Input Power, max | | 25 | dBm |
| Operating Temperature Range | | -40 to +85 | $^{\circ}\text{C}$ |
| Storage Temperature | | -40 to +85 | $^{\circ}\text{C}$ |

Dimension

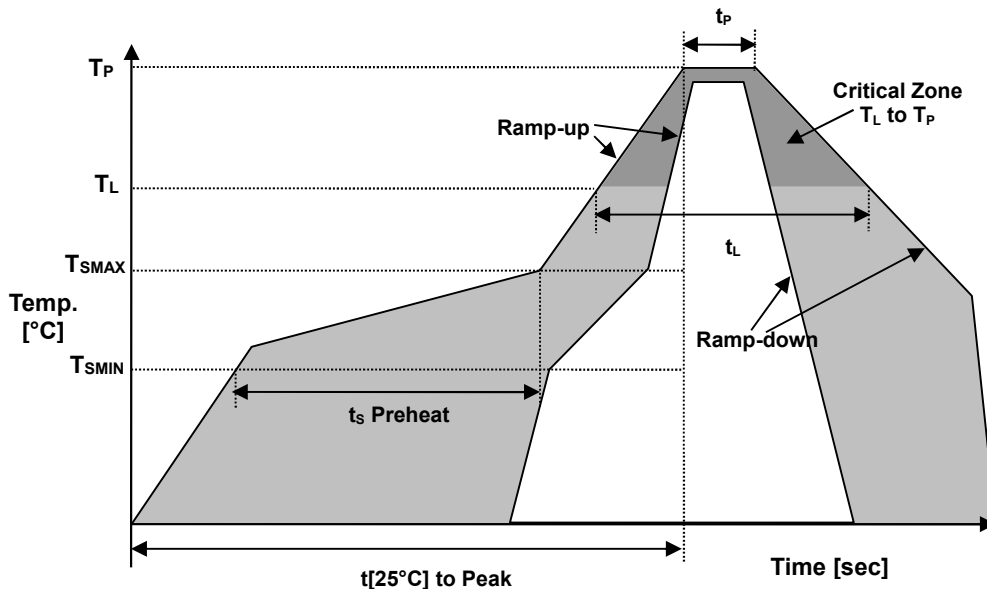


| Pin Description | |
|-----------------|--------|
| A, C, D, F | Ground |
| B | In |
| E | Out |

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