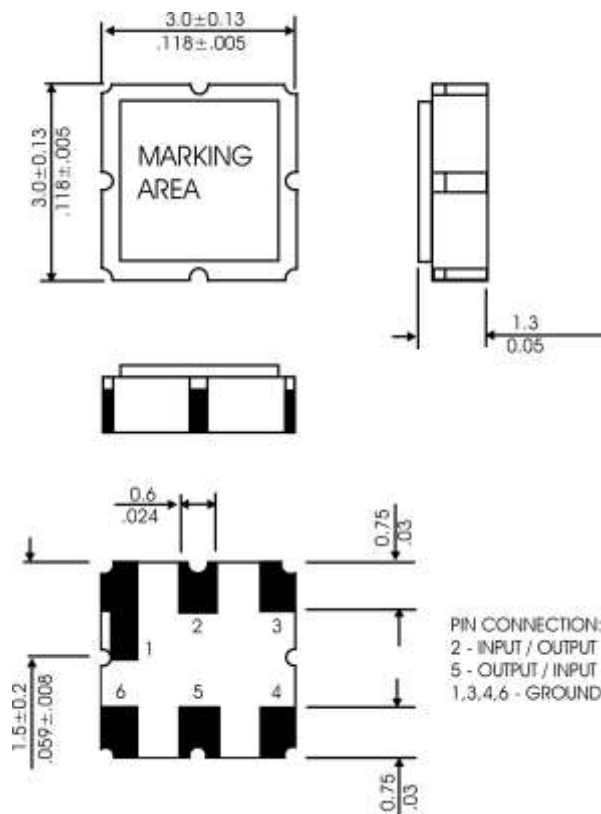


● **SPECIFICATIONS**

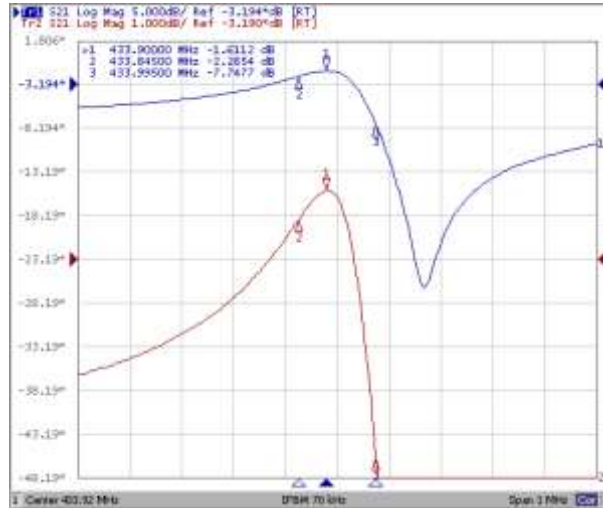
| Items | Specification | Unit |
|--|----------------|---------------------|
| Center frequency (fo) | 434.150 ±0.050 | MHz |
| Insertion Loss, typ/max | 1.4 / 1.9 | dB |
| Quality Factor Unloaded, min/typ | 8000 / 12000 | - |
| Quality Factor 50 Ω Loaded, min/typ | 850 / 1500 | - |
| Turnover Temperature | 25 ± 15 | °C |
| Frequency Temperature Coefficient, Typ | -0.032 | ppm/°C ² |
| Frequency Aging, max | ±10 | ppm/year |
| Insulation Resistance (DC), min | 1.0 | MΩ |
| Motional Resistance (RM), typ / max | 18 / 26 | Ω |
| Motional Inductance (LM), typ | 79.746 | μH |
| Motional Capacitance (CM), typ | 1.685 | fF |
| Shunt Static Capacitance (C0), typ | 2.3 | pF |
| DC Voltage, Max | 10 | V |
| Source Power, Max | 0 | dBm |
| Operating Temperature Range | -40 to +85 | °C |
| Storage Temperature Range | -45 to +85 | °C |

● **MECHANICAL SPECIFICATION**

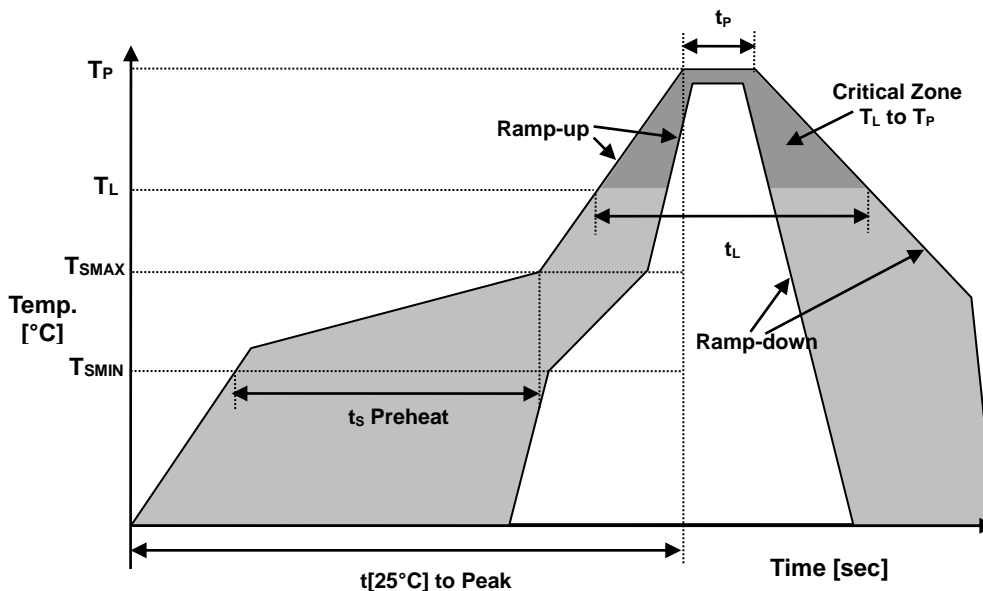
Dimension



- TYPICAL FREQUENCY RESPONSE



- 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 $t[25^\circ\text{C}]$ to Peak Temperature | $t[25^\circ\text{C}]$ to Peak | 480 sec. |
| Time | t_L | 60-150 sec. |

● **ENVIRONMENTAL**

| PARAMETER | VALUE |
|----------------------------|---------------------------|
| MOISTURE SENSITIVITY LEVEL | 1 |
| RoHS-2 | 6/6 COMPLIANT & LEAD FREE |
| REACH SVHC | COMPLIANT |
| HALOGEN-FREE | COMPLIANT |
| ESD CLASSIFICATION LEVEL | N/A |



● **APPROVAL**

| | |
|-------------|--------------------|
| DRAWN BY | LP, June 29, 2016 |
| APPROVED BY | CP, June 29, 2016 |
| REVISION | A, Initial Release |