

- | | Parameters | SYM. | Electrical Spec. | | | | Notes |
|----|--|------------------|------------------|------|----------------------|----------------------|----------------------|
| | | | min | typ | max | Units | |
| 1 | Nominal Frequency (f _{nom}) | f _{nom} | 19.200 | | | MHz | |
| 2 | Overtone order | - | Fundamental | | | - | |
| 3 | Frequency tolerance | - | -10 | - | +10 | ppm | at +30°C |
| 4 | Frequency versus temperature characteristics *1. | - | -12 | - | +12 | ppm | at -30 to +85°C |
| 5 | Equivalent Series Resistance | R _r | - | - | 70 | Ω | IECπ -Network Series |
| 6 | Load capacitance | CL | - | 7 | - | pF | IECπ -PI-Network |
| 7 | Level of drive | - | - | 10 | 100 | μW | |
| 8 | Shunt Capacitance | C0 | -15% | 0.85 | +15% | pF | |
| 9 | Motional Capacitance | C1 | -15% | 2.2 | +15% | fF | |
| 10 | Motional Inductance | L1 | -15% | 31.2 | +15% | mH | |
| 11 | Insulation resistance | - | 500 | - | - | Ω | *2 |
| 12 | Operating temperature range | - | -30 | - | 105 | °C | |
| 13 | Storage temperature range | - | -40 | - | 105 | °C | |
| 14 | Air-tightness | - | - | - | 1.1×10 ⁻⁹ | Pa m ³ /s | Helium leak detector |

*2. When terminal to terminal and terminal to cover were applied at DC100V $\pm$ 15V.

Technical drawing of the 100°C thermistor (T1) showing top, side, and detail views with dimensions and terminal connections.

Top View Dimensions:

- Overall width: 2.5 ± 0.1 mm
- Overall height: 2.0 ± 0.1 mm

Side View Dimensions:

- Overall height: 0.90 ± 0.10 mm

Terminal Land Connections (TOP VIEW):

- Terminal #1, #3: X' tail
- Terminal #4: Thermistor
- Terminal #2: Thermistor & GND

Land Pattern (Typical):

- Overall width: 1.7 mm
- Overall height: 1.3 mm
- Internal width: 1.2 mm
- Internal height: 1.0 mm
- Corner radius: C0.3