## Features
- Applications: telecommunications, audio, navigation, instruments
- Wide frequency range: 8 to 250 MHz
- High shock and vibrational resistivity
- Reflow soldering @ 260 °C

### Parameter | Specification
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Frequency range | 8 ~ 70 MHz, 50 ~ 200 MHz, 150 ~ 250 MHz
Mode of oscillation | AT-cut
Standard frequencies | 8.00, 10.00, 10.24, 12.80, 20.00, 24.00, 24.576, 32.00, 40.00, 50.00, 51.84, 61.44, 76.8, 125.00 & 155.52 MHz
Frequency tolerance | ±5 ~ ±30 ppm @ +25 °C
Frequency stability | ±10 ~ ±50 ppm vs. operating temperature range
Aging | ±1 ppm 1st year
Load capacitance | series or parallel resonance (CL = 8 ~ 32 pF)
Equivalent series resistance (ESR) | < 25 Ω @ 13 MHz, < 15 Ω @ 32 MHz
Drive level | 10 ~ 100 μW
Operating temperature range | -20 ~ +70 °C commercial application, -40 ~ +85 °C industrial application, -40 ~ +125 °C automotive & avionic application
Storage temperature range | -55 ~ +125 °C
Packaging unit | tape & reel 1'000 or 2'000 pieces
Moisture sensitivity | Level 1 (unlimited)

Customer specifications on request

### Pin function
- #1 crystal connection
- #2 GND
- #3 crystal connection
- #4 GND

### Soldering pattern
- Do not design any conductive path between the pattern
- IR reflow soldering temperature