SMX-3C

Full ceramic SMD Crystal

Features
- Applications: telecommunications, audio, automotive, instruments
- Small package size
- Reliable, low cost crystal
- Reflow soldering @ 260 °C

Parameter | Specification
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Frequency range | 8 ~ 67 MHz fundamental
Mode of oscillation | AT-cut
Standard frequencies | 8.00, 13.00, 16.00, 19.20, 20.00, 24.576, 25.00 & 32.00 MHz
Frequency tolerance | ±25 ~ ±50 ppm @ +25 °C
Frequency stability | ±10 ~ ±50 ppm vs. operating temperature range
Aging | ±2 ppm 1st year
Load capacitance | series or parallel resonance (CL = 8 ~ 32 pF)
Equivalent series resistance (ESR) | < 12 Ω @ 16 MHz
| < 10 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 application
Storage temperature range | -55 ~ +125 °C
Packaging unit | tape & reel 1’000 or 2’000 pieces
Customer specifications on request

Example for soldering pattern

Do not design any conductive path between the pattern

Example for IR reflow soldering temperature

2002/95/EC RoHS compliant

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