SMX-1SHF MESA

High frequency fundamental SMD Crystal

Features
- Applications: telecommunications, audio, navigation, instruments
- Wide frequency range: 60 to 200 MHz in the fundamental mode
- High pulling sensitivity (ppm/pF)
- Reflow soldering @ 260 °C

Parameter | Specification
--- | ---
Frequency range | 60 ~ 200 MHz fundamental
Mode of oscillation | AT-cut
Standard frequencies | 76.80, 122.88, 155.52, 156.25, 159.375 & 180.00 MHz
Frequency tolerance | ±10 ~ ±30 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) | 30 Ω for 60 ~ 200 MHz
Drive level | 10 ~ 100 μW
Operating temperature range | -20 ~ +70 °C commercial application
| -40 ~ +85 °C Industrial application
Storage temperature range | -55 ~ +125 °C
Packaging unit | tape & reel 1’000 or 2’000 pieces
Customer specifications on request

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

Example for soldering pattern

Do not design any conductive path between the pattern

Example for IR reflow soldering temperature

2002/95/EC RoHS compliant