



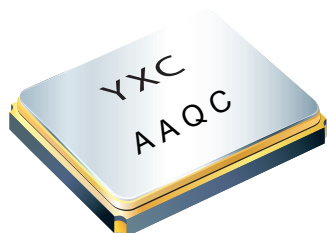
CRYSTAL RESONATOR

给您一颗快乐的“芯”！

YSX221SL X252024MSD4SI



Features



- External dimensions: 2.55 x 2.05 x 0.55 mm.
- Frequency range: 12MHz ~ 48MHz.
- High precision and high frequency stability.
- Excellent heat resistance and environmental characteristics.
- Applications: mobile phone, Bluetooth, Bluetooth, W-LAN ISM band radio, clock for MPU GPS, smart phone.

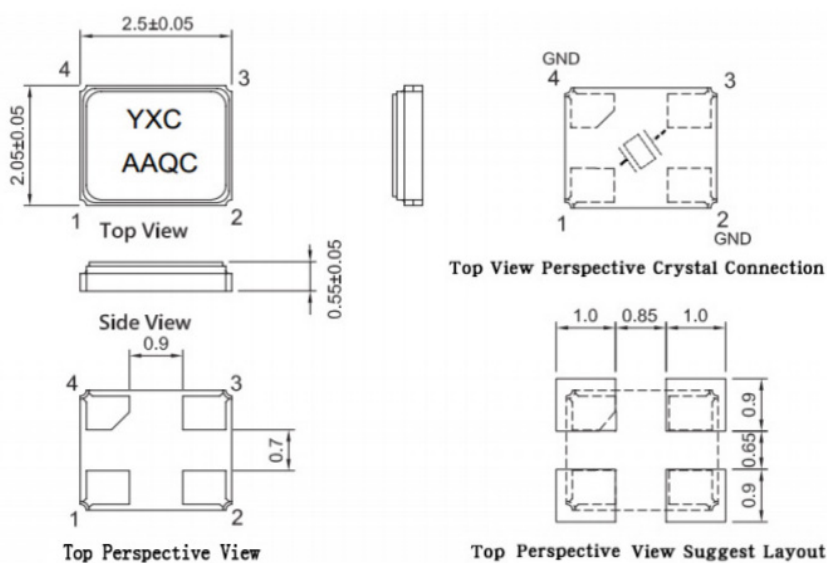
Electrical Specifications

Part Number	X252024MSD4SI
Nominal Frequency Range	24.00MHz
Vibration Mode	AT Fundamental
Load Capacitance	20pF
Frequency Tolerance (at 25 °C)	± 20 ppm
Frequency Versus Temperature Characteristics	±30 ppm
Operating Temperature	- 40 ~ + 85 °C
Storage Temperature	- 40 ~ + 85 °C
Shunt Capacitance	3 pF Max.
Level Of Drive	1~200 μW Max. (100uW typical)
Frequency Aging (at 25 °C)	± 3 ppm / year Max.

Equivalent Series Resistance(ESR)

Fundamental	
12 ~ 13 MHz	150 Ω Max.
14 ~ 30 MHz	100 Ω Max.
30 ~ 48 MHz	60 Ω Max.

Dimensions



Units: mm