

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, W-LAN ISM, Band radio Clock for MPU GPS, smart phone, etc.

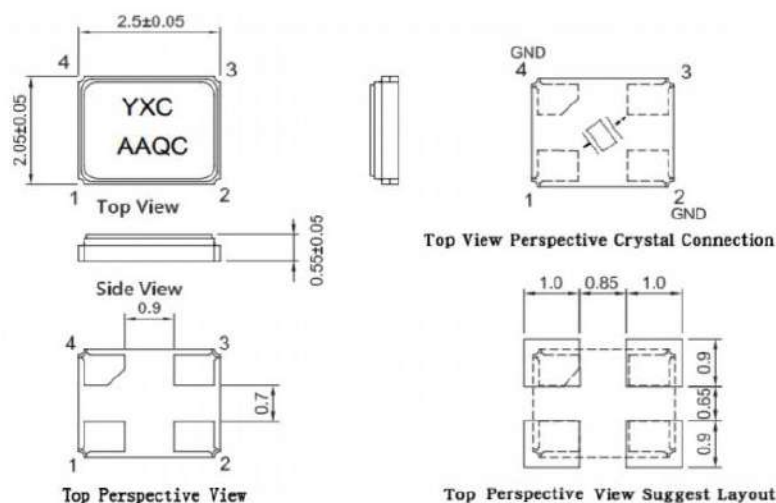
Electrical Specifications

Item / Type	X252032MMB4SI
Nominal Frequency	32 MHz
Vibration Mode	AT Fundamental
Load Capacitance	10.0pF
Frequency Tolerance (at 25 °C)	± 10 ppm
Frequency Versus Temperature Characteristics	± 20 ppm
Operating Temperature	- 40 ~ + 85 °C
Storage Temperature	- 40 ~ + 105 °C
Shunt Capacitance	3 pF Max.
Level Of Drive	1~200 μW Max. (200 μW 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

