

CRYSTAL SBX - 27

CERAMIC SMD

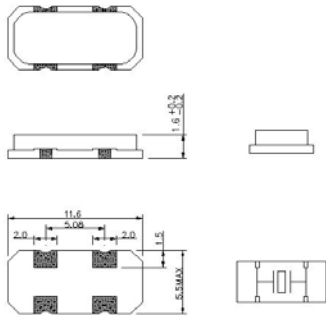
11.6mm X 5.5mm X 1.6mm(H)

APPLICATIONS

PICTURE
AREA

- ▶ PDA
- ▶ Notebook PC
- ▶ Digital camera
- ▶ Portable systems

OUTLINE DIMENSIONS



ELECTRICAL SPECIFICATIONS

Frequency range	3.5MHz to 25,000 MHz
Vibration mode	AT cut, Fundamental
Frequency tolerance (at 25 °C)	- /+30ppm or +50ppm
Equivalent series resistance	See table No.1
Stability(-20-+70 °C)	- /+30ppm or +50ppm
Shunt capacitance	7.0pF max.
Load capacitance	Series, 16pF, 20pF, 30pF
Load capacitance (CL)	Series resonance, 16pF~32pF
Shock	Natural drop from 75cm height onto a hard wooden board, three times dF/F= +5ppm max.
Leak	5*10 ⁻⁸ atm.cc/sec max.

Equivalent series resistance(ESR) Table No.1

Frequency	Mode	ESR
3.5 MHz~	Fundamental	300 ohms max.
4.0 MHz~	Fundamental	200 ohms max.
8.0 MHz~	Fundamental	120 ohms max.
10.0 MHz ,20.0MHz	Fundamental	100,80 ohms max.

INTERNAL CONNECTION

Aging
- / +5ppm / year

ORDERING GUIDE

SBX - 27 - Frequency :
 Load capacitance : pF
 Crystal impedance : Ω
 Stability : ± ppm (at 25 °C)
 Tolerance : ± ppm (°C ~ °C)
 Drive level : μW
 Shunt capacitance : pF
 Packing type : Bulk / Reel taping

Specifications subjects to change without notice & If you need other specifications, Contact our factory.

APPLICATIONS CIRCUIT

