



VOLTAGE-CONTROLLED CRYSTAL OSCILLATOR (VCXO)
MINIATURE SIZE LOW PROFILE, WIDE PULL RANGE

VG-4231CE

- Frequency range : 3 MHz to 60 MHz
•Supply voltage : 3.3 V (PSCM / CSCM)
2.8 V (PSBM / CSBM)
1.8 V (PQEM / CQEM)
•Frequency control range : ±140 × 10<sup>-6</sup> (\*SCM / \*SBM)
±120 × 10<sup>-6</sup> (\*QEM)
•Low current consumption : 1.0 mA Typ. (27 MHz , 3.3 V)
•External dimensions : 3.2 × 2.5 × 1.05 t (mm) Typ.



Product Number (please contact us)
Q3614CE00xxxx00



Actual size

Specifications (characteristics)

Table with 4 columns: Item, Symbol, Specifications (PSCM / CSCM, PSBM / CSBM, PQEM / CQEM), and Remarks. Rows include Output frequency range, Supply voltage, Temperature range, Frequency tolerance, Current consumption, etc.

\* Please keep Vc pin open or ground while powering up Vcc.

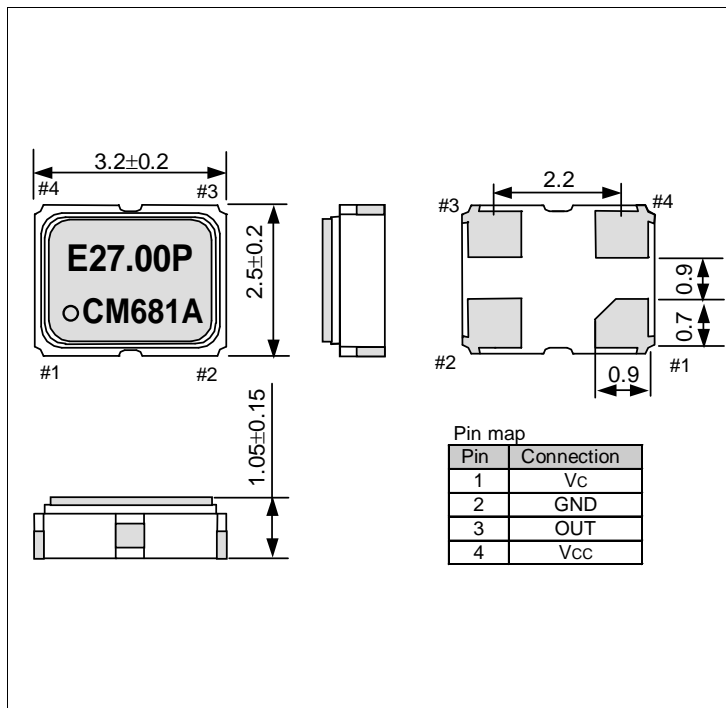
Frequency tolerance / Temperature range / Absolute pull range

Table with 4 columns: Frequency tolerance, Temperature range, Absolute pull range, and Control type (C, P). Rows show specifications for CSCM / CSBM / CQEM and PSCM / PSBM / PQEM.

\* Absolute pull range = Frequency control range - (Frequency tolerance + 5 years Aging + Free fall + Vibration)

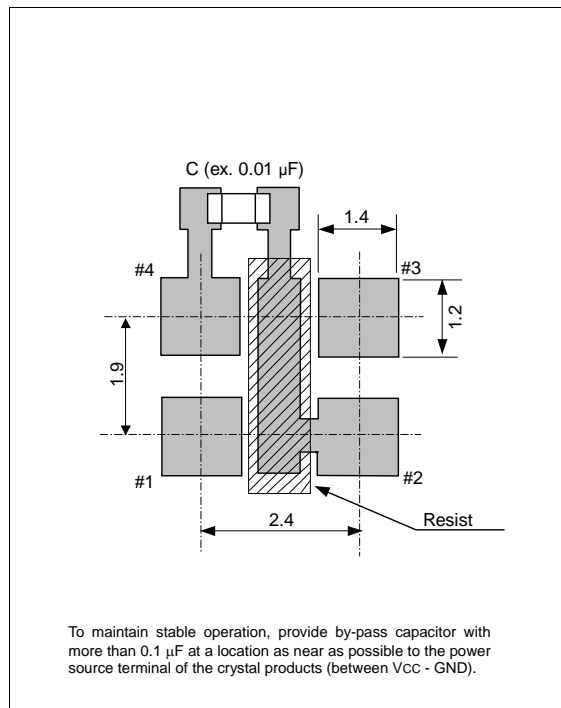
External dimensions

(Unit:mm)



Footprint (Recommended)

(Unit:mm)



To maintain stable operation, provide by-pass capacitor with more than 0.1 μF at a location as near as possible to the power source terminal of the crystal products (between Vcc - GND).