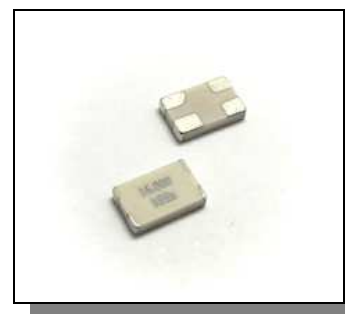


■ Features

- ★ Precise tolerance and stability
- ★ Ultra low height
- ★ 4 Pads
- ★ Ceramic lid and base

■ Application

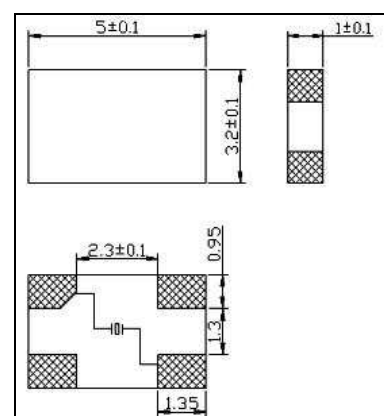
- ★ Cellular phones
- ★ Cordless telephones
- ★ PHS
- ★ Pagers



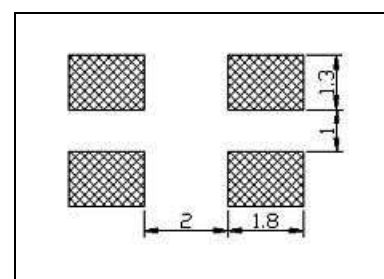
■ Specification (Characteristics)

Item	Specification
Oscillate Frequency (MHz)	10.000 ~ 36.000
Resonance Mode	Fundamental
Load Capacitance (pF)	8, 12, 16, 20, 32
Frequency Tolerance max (ppm)	±30, ±50
Resonant Impedance max (Ω)	See Table 1
Static Capacitance max (pF)	7
Operating Temperature (°C)	-10~+70
Frequency Stability (ppm)	±30, ±50
Operating drive level (mW)	0.1
Aging max (ppm / year)	±5 (at 25±2°C)

■ Dimension (Unit: mm)



■ Recommended Soldering



■ Table 1

Frequency Range(MHz)	ESR (Ω)	Mode
10.000 ~ 11.999	120	Fund.
12.000 ~ 14.399	80	Fund.
14.400 ~ 36.000	50	Fund.

■ Part Number and Ordering

Part Number Code	Holder Type + Frequency + Mode of vibration + Tolerance/ Stability + RS + CL
Ordering Code	Same as Above
Example	C5032(4)-12M-AF-30/50-80Q-20P